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Ohio
Labor
Market
Information

Labor Market Review

September 1987

Summary. The seasonally adjusted unemployment rate in Ohio was 5.5 percent in September, down sharply from 7.0 percent in August. The nationwide rate of 5.9 percent was slightly lower than the August figure. Ohio's rate is at its lowest point since May 1979, while the U.S. rate last reached its current level in November 1979. Total employment in Ohio rose 24,000, to 4,865,000. The number of unemployed fell 81,000, to 283,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio, at 4,599,000, was 12,000 above the August total. (See page 3.)

Factory Employment. Ohio factory employment improved for the second consecutive month. Seasonally adjusted manufacturing employment in Ohio was 1,094,000 in September, 6,000 above the August level. Durable-goods employment rose 5,000, to 736,000. Employment in nondurable goods, at 357,000, was up 1,000.

Nonmanufacturing. Employment increases of 3,000 in retail trade and 2,000 in services helped boost nonmanufacturing employment 6,000, to 3,506,000 in September. Mining, construction, and transportation and public utilities were unchanged. All other divisions had small increases from August.

Over the Year. Between September 1986 and September 1987, total employment in Ohio rose 131,000. The number of unemployed fell 146,000, dropping the unemployment rate from 8.3 percent in September 1986 to 5.5 percent in September 1987. The national rate fell from 7.0 percent to 5.9 percent over the year. Nonagricultural payroll employment rose 111,000 from September 1986. Three-fourths of the gain occurred in services and retail trade. Construction and finance, insurance, and real estate also had significant increases. Manufacturing employment fell 6,000 over the year. Losses in most durable-goods industries, especially transportation equipment, nonelectrical machinery, and fabricated metal products, overshadowed gains in primary metals, lumber and wood products, food and kindred products, and chemicals.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $499.80 per week in September, up $7.43 from August. Their average workweek of 42.5 hours was .2 hours longer. Most industries had higher earnings due to increased overtime. The most notable were motor vehicles and equipment, blast furnace and basic steel products, nonferrous rolling and drawing mills, and metal forgings and stampings.

Benefits and Costs. The number of initial claims filed under the Ohio Unemployment Compensation Law in September dropped 18.6 percent from August, to 43,944. This was also 30.2 percent below the September 1986 level. Total benefits paid, at $37.7 million, were down 12.3 percent from August. The average benefit check decreased $1.28, to $147.53. The

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

average weekly number of benefit recipients fell 15.5 percent, to 60,644. At the end of September, there were 196,665 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 40,724 new job applicants in September, up 1.0 percent from August, but down 16.4 percent from September 1986. Job openings received from employers, at 14,037, were down 16.7 percent from last month. The Employment Services Division made 26,887 job referrals and 7,808 placements.

Save Money, Hire A Vet

The Veterans' Job Training Act Program was created to help industry fill permanent positions that involve at least six months of significant training of Korean conflict and Vietnam-era veterans.

* Employers are provided with 50 percent of the starting wage, up to $10,000 per veteran, when they hire and train veterans in a growth industry or a technology-based or demand occupation.

* Training is funded for six to nine months.

* Half the cost of training, up to $10,000, paid directly to the employer, is invoiced quarterly. Small businesses can arrange to invoice monthly.

Contact your nearest local OBES office for further information.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Sep. 1987	Aug. 1987	Sep. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,148	5,205	5,163	-57	-15	-1.1	-0.3
Employment	4,865	4,841	4,734	24	131	0.5	2.8
Unemployment	283	364	429	-81	-146	-22.3	-34.0
Unemployment Rate	5.5	7.0	8.3				
Employer Survey Data[e]							
Total	4,599	4,587	4,488	12	111	0.3	2.5
Manufacturing	1,094	1,088	1,100	6	-6	0.5	-0.6
Durable Goods	736	731	744	5	-8	0.7	-1.1
Nondurable Goods	357	357	355	1	2	0.2	0.6
Nonmanufacturing	3,506	3,500	3,388	6	118	0.2	3.5
Mining	20	20	22	0	-1	0.5	-6.0
Construction	175	175	162	0	13	-0.1	7.9
Transportation and Public Utilities	210	210	208	0	2	0.0	1.0
Wholesale Trade	251	250	247	1	4	0.4	1.8
Retail Trade	855	853	826	3	30	0.3	3.6
Finance, Insurance and Real Estate	244	244	234	1	10	0.2	4.4
Services	1,063	1,062	1,008	2	55	0.1	5.5
Government	687	686	682	1	4	0.1	0.6
Goods Producing Industries[f]	1,289	1,283	1,283	6	5	0.5	0.4
Service Producing Industries[g]	3,311	3,304	3,205	6	106	0.2	3.3

[a] Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	US			Manufacturing		
								Durable	Nondurable
					1985				
5,167	4,701	466	9.0	7.1	September	4,385	1.114	759	355
5,172	4,707	465	9.0	7.1	October	4,398	1.117	762	356
5,192	4,727	465	9.0	7.0	November	4,410	1,120	763	357
5,185	4,754	431	8.3	7.0	December	4,422	1.123	766	357
					1986				
5,218	4,759	459	8.8	6.8	January	4,438	1.124	767	357
5,325	4,869	456	8.6	7.2	February	4,440	1.122	764	357
5,297	4,896	401	7.6	7.2	March	4,440	1.117	760	356
5,248	4,823	425	8.1	7.1	April	4,459	1.117	761	356
5,214	4,784	430	8.2	7.2	May	4,464	1,112	756	356
5,204	4,752	452	8.7	7.1	June	4,466	1.111	755	356
5,204	4,777	427	8.2	7.0	July	4,472	1,103	749	354
5,185	4,763	422	8.1	6.8	August	4,484	1,103	748	355
5,163	4,734	429	8.3	7.0	September	4,488	1,100	744	355
5,214	4,810	404	7.7	6.9	October	4,497	1,094	739	355
5,264	4,875	389	7.4	6.9	November	4,517	1.103	747	354
5,276	4,861	415	7.9	6.7	December	4,532	1.106	750	356
					1987				
5,287	4,850	437	8.3	6.7	January	4,556	1,106	748	358
5,303	4,848	455	8.6	6.7	February	4,564	1,108	750	358
5,215	4,824	391	7.5	6.6	March	4,563	1,099	741	357
5,223	4,846	377	7.2	6.3	April	4,570	1,098	741	357
5,294	4,878	416	7.9	6.3	May	4,572	1,091	735	356
5,237	4,859	378	7.2	6.1	June	4,567	1,084	731	354
5,240	4,868	372	7.1	6.0	July	4,569	1.076	722	354
5,205	4,841	364	7.0	6.0	August	4,587	1,088	731	357
5,148	4,865	283	5.5	5.9	September	4,599	1,094	736	357

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
					1985				
3,272	25	155	202	244	September	794	222	959	671
3,280	25	156	202	244	October	798	223	962	670
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,414	22	164	210	247	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,465	21	170	210	249	March	845	240	1040	688
3,472	21	171	211	249	April	846	242	1045	688
3,481	21	173	211	250	May	847	242	1050	689
3,483	20	174	210	249	June	847	242	1052	689
3,493	20	174	210	250	July	850	243	1060	686
3,500	20	175	210	250	August	853	244	1062	686
3,506	20	175	210	251	September	855	244	1063	687

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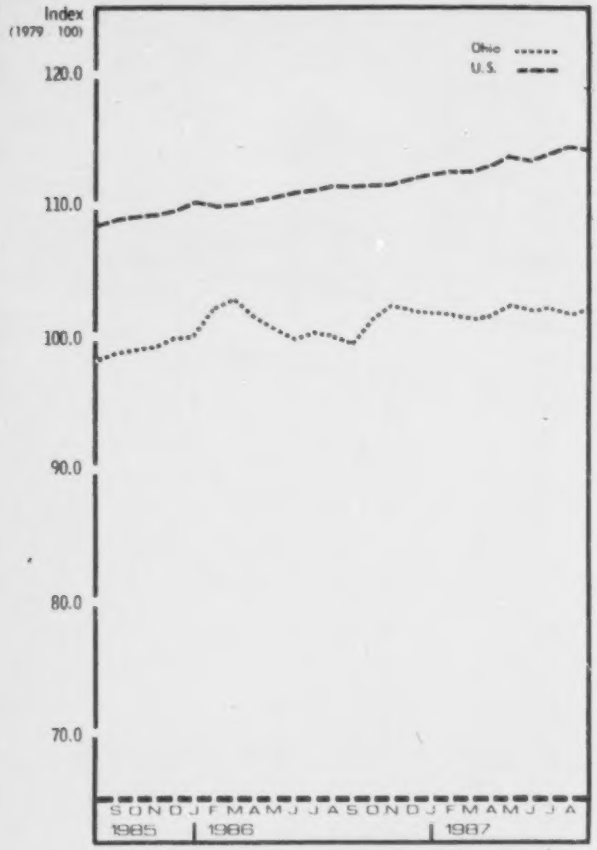
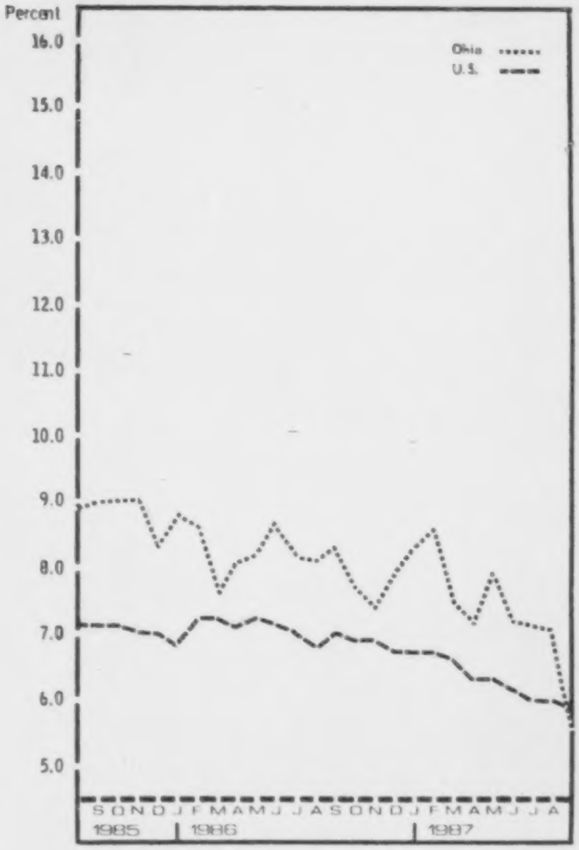
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.



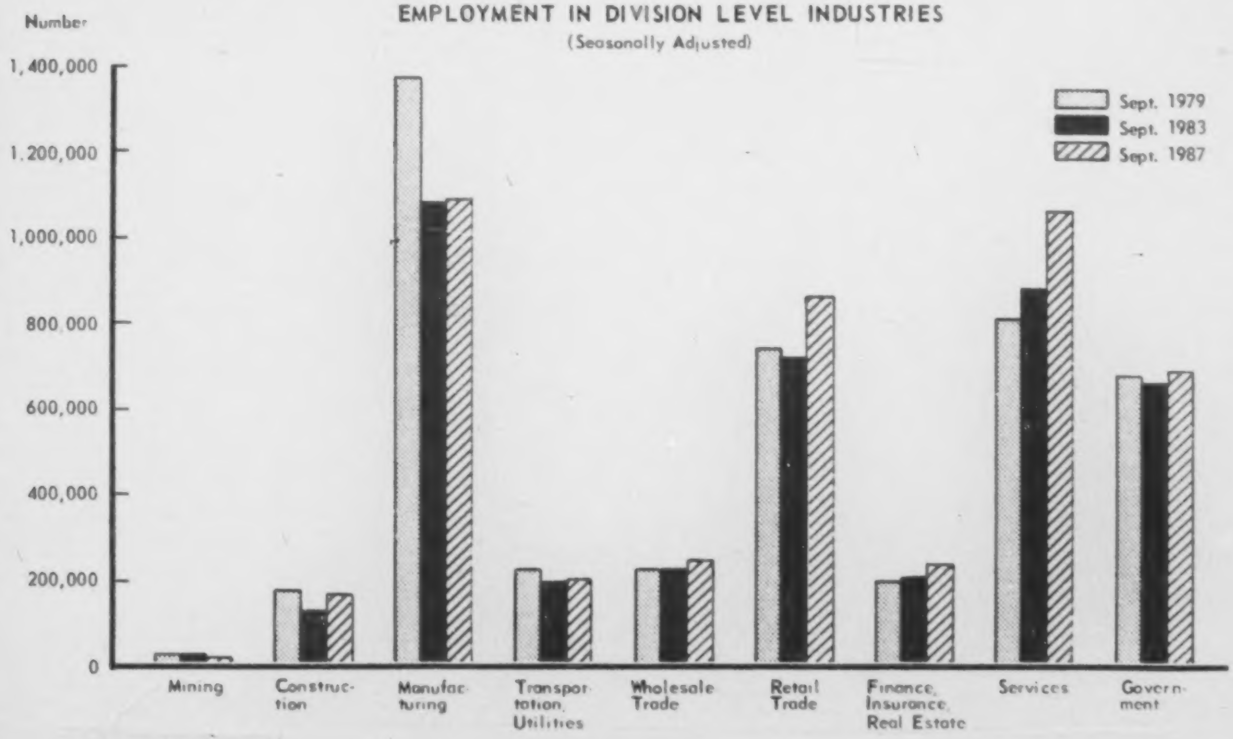
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)

EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,751	4,380	370	7.8	7.7	1976
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,139	4,684	456	8.9	7.2	1985
5,234	4,809	426	8.1	7.0	1986
					1986
5,189	4,755	434	8.4	6.8	September
5,263	4,855	408	7.8	6.6	October
5,282	4,894	388	7.3	6.6	November
5,259	4,841	418	7.9	6.3	December
					1987
5,196	4,744	452	8.7	7.3	January
5,205	4,732	473	9.1	7.2	February
5,154	4,749	405	7.9	6.9	March
5,205	4,837	367	7.1	6.2	April
5,264	4,892	372	7.1	6.1	May
5,293	4,909	384	7.3	6.3	June
5,325	4,967	358	6.7	6.1	July
5,272	4,908	364	6.9	5.8	August
5,171	4,885	287	5.5	5.7	September

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural			
		Manufacturing		
			Durable	Nondurable
1976	4,094.6	1,295.3	910.6	384.6
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,475.2	1,109.3	753.2	356.1
1986				
September	4,531.8	1,109.4	748.0	361.4
October	4,546.2	1,098.4	741.5	356.9
November	4,563.9	1,105.8	749.1	356.7
December	4,569.4	1,106.3	749.6	356.7
1987				
January	4,466.2	1,095.7	741.2	354.6
February	4,467.2	1,096.0	742.4	353.6
March	4,492.3	1,092.1	738.4	353.6
April	4,556.9	1,094.4	740.1	354.3
May	4,600.3	1,091.0	736.4	354.5
June	4,614.8	1,091.8	736.4	355.4
July	4,576.6	1,078.8	723.4	355.3
August	4,595.4	1,092.0	731.6	360.4
September	4,645.6	1,103.3	739.8	363.5

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.8	998.8	679.8
					1986				
3,422.4	22.1	180.0	210.8	247.6	September	834.9	235.4	1,021.7	670.0
3,447.7	22.0	180.3	211.4	248.2	October	839.5	235.4	1,019.1	691.8
3,458.0	22.1	174.2	211.2	248.9	November	850.9	236.0	1,018.7	696.1
3,463.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	236.6	1,006.1	688.8
3,371.2	20.7	139.6	205.8	246.1	February	810.4	237.4	1,014.1	697.2
3,400.3	20.5	145.6	206.6	246.9	March	817.0	238.3	1,023.5	701.9
3,462.5	20.3	160.7	209.4	248.5	April	835.5	240.4	1,047.5	700.1
3,509.3	20.4	173.8	210.8	249.8	May	848.4	242.0	1,059.5	704.6
3,523.0	20.4	182.5	211.9	251.4	June	854.6	244.3	1,069.9	688.0
3,497.9	20.6	190.8	212.1	251.6	July	855.9	246.3	1,072.8	647.8
3,503.4	20.6	194.8	212.5	252.0	August	861.2	246.8	1,073.2	642.2
3,542.3	20.8	194.2	212.8	252.0	September	864.0	245.7	1,077.9	674.9

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment (in thousands) | **Production Workers in Manufacturing**

Manufacturing	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,295.3	910.6	384.6	1976	926.1	233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.3	753.2	356.1	1986	758.0	368.9	31.9
			1986			
1,109.4	748.0	361.4	September	756.4	368.6	32.0
1,098.4	741.5	356.9	October	746.3	360.9	31.3
1,105.8	749.1	356.7	November	755.2	375.4	32.2
1,106.3	749.6	356.7	December	755.4	383.8	32.6
			1987			
1,095.7	741.2	354.6	January	746.3	375.1	31.9
1,096.0	742.4	353.6	February	747.3	373.0	31.7
1,092.1	738.4	353.6	March	744.9	371.4	31.7
1,094.4	740.1	354.3	April	748.5	369.0	31.5
1,091.0	736.4	354.5	May	745.2	370.9	31.7
1,091.8	736.4	355.4	June	745.5	371.6	31.8
1,078.8	723.4	355.3	July	731.6	355.0	30.7
1,092.0	731.6	360.4	August	745.4	367.0	31.5
1,103.3	739.8	363.5	September	756.6	378.1	32.2

Production Workers Average Weekly Earnings | **Production Workers Average Weekly Hours** | **Production Workers Average Hourly Earnings**

Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$252.54	$258.75	$235.00	1976	41.2	41.4	41.3	1976	$6.10	$6.25	$5.69
283.08	292.02	258.34	1977	42.0	42.2	41.4	1977	6.74	6.92	6.24
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
			1986				1986			
487.30	507.03	443.72	September	42.3	42.5	41.9	September	11.52	11.93	10.59
483.53	502.25	444.52	October	41.9	42.1	41.7	October	11.54	11.93	10.66
497.14	517.80	449.40	November	42.6	42.9	42.0	November	11.67	12.07	10.70
508.15	531.14	454.92	December	43.1	43.5	42.2	December	11.79	12.21	10.78
			1987				1987			
502.58	524.96	449.53	January	42.7	43.1	41.7	January	11.77	12.18	10.78
499.05	520.88	446.71	February	42.4	42.8	41.4	February	11.77	12.17	10.79
498.53	519.95	448.86	March	42.5	42.9	41.6	March	11.73	12.12	10.79
492.99	514.25	443.72	April	42.1	42.5	41.2	April	11.71	12.10	10.77
497.68	517.45	450.78	May	42.5	42.8	41.7	May	11.71	12.09	10.81
498.42	517.37	453.95	June	42.6	42.9	41.8	June	11.70	12.06	10.86
485.20	501.76	450.02	July	41.9	42.2	41.4	July	11.58	11.89	10.87
492.37	510.00	453.36	August	42.3	42.5	41.9	August	11.64	12.00	10.82
499.80	517.16	460.40	September	42.5	42.6	42.2	September	11.76	12.14	10.91

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision
Subtotals may not add to totals due to rounding

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio*

Employment

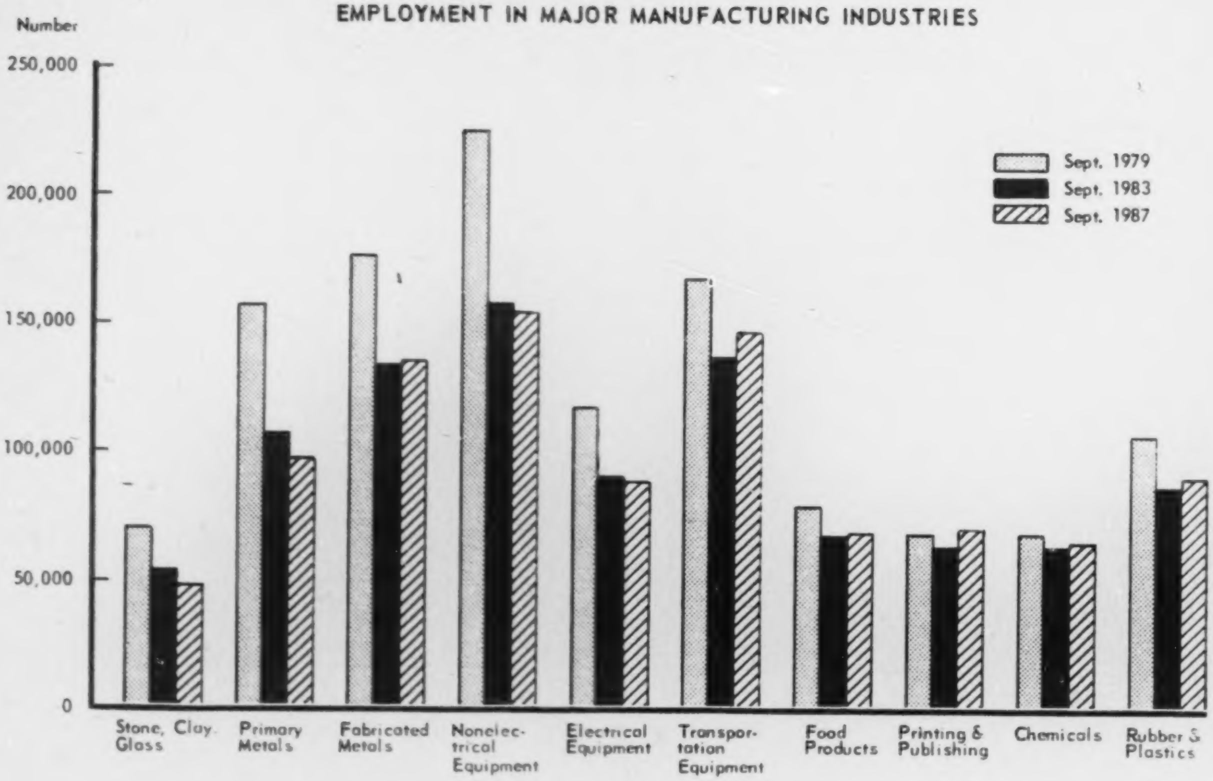
(in thousands)

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
66.3	154.6	157.9	1976	205.9	115.5	143.0	1976	73.8	64.5	98.2
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.[illegible]	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.[illegible]	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.4	95.4	136.8	1986	158.7	89.8	153.5	1986	62.6	68.6	91.5
			1986				1986			
50.4	90.1	137.2	September	158.1	90.1	151.2	September	66.6	69.3	91.2
48.6	90.9	136.0	October	152.7	90.1	152.5	October	63.1	69.4	90.6
49.2	93.6	136.3	November	156.0	90.2	153.8	November	62.4	69.4	90.9
49.0	94.1	136.0	December	156.1	90.2	154.4	December	62.7	69.1	91.3
			1987				1987			
47.8	93.8	134.3	January	155.0	90.6	151.7	January	62.0	68.8	91.3
47.9	95.5	133.5	February	154.1	89.8	153.6	February	61.5	69.1	90.8
47.7	96.7	133.3	March	153.8	89.0	148.9	March	61.5	69.1	90.4
48.0	96.7	132.5	April	153.5	88.0	151.6	April	62.2	69.3	89.8
48.2	95.5	131.8	May	153.2	87.3	150.3	May	62.7	69.3	88.9
48.4	95.9	133.2	June	153.6	87.5	147.1	June	62.7	69.3	88.8
47.8	94.4	130.4	July	151.7	87.6	140.7	July	63.2	69.8	88.0
48.3	96.2	131.6	August	152.2	87.0	144.2	August	66.9	70.1	88.8
48.3	98.0	133.5	September	153.5	87.8	146.1	September	67.8	70.1	89.8

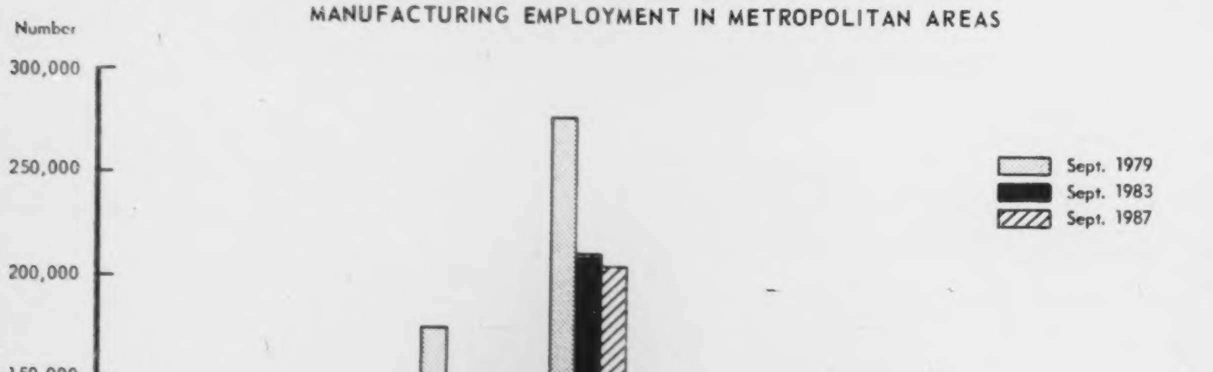
Average Weekly Earnings of Production Workers

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$232.40	$294.58	$256.68	1976	$253.31	$221.54	$302.87	1976	$242.92	$252.20	$237.30
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
			1986				1986			
447.62	559.68	494.38	September	485.41	464.88	629.31	September	420.33	417.40	441.34
447.44	563.50	488.36	October	482.58	456.77	610.76	October	426.72	418.95	443.23
442.08	583.73	503.01	November	492.33	471.33	646.46	November	423.85	429.37	447.38
441.00	596.23	515.70	December	510.82	489.89	656.48	December	436.77	429.46	444.19
			1987				1987			
441.31	593.61	515.91	January	498.53	473.61	647.91	January	438.46	416.96	443.59
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
458.15	626.05	488.46	September	489.83	452.79	641.52	September	451.29	443.52	439.07

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.



EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS

Nonagricultural Wage & Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	September 1987[b]	August 1987[c]	September 1986[c]	From Last Month	From Last Year
TOTAL	4645.6	4595.4	4531.8	50.2	113.8
MANUFACTURING	1103.3	1092.0	1109.4	11.3	- 6.1
Durable Goods[e]	739.8	731.6	748.0	8.2	- 8.3
Lumber and wood products	20.6	20.7	18.9	- .1	1.7
Furniture and fixtures	15.1	14.8	14.5	.3	.6
Stone, clay, and glass products	48.3	48.3	50.4	.0	- 2.1
Glass and glassware, pressed or blown	10.2	10.1	11.2	.1	- 1.0
Primary metal industries	98.0	96.2	90.1	1.7	7.9
Blast furnace and basic steel products	44.9	44.8	38.6[j]	.1	6.2
Iron and steel foundries	19.7	19.3	19.7	.5	.1
Nonferrous rolling and drawing	18.1	17.2	18.0	.9	.1
Fabricated metal products	133.5	131.6	137.2	1.9	- 3.7
Cutlery, hand tools, and hardware	10.0	9.8	10.3	.1	- .4
Fabricated structural metal products	28.9	28.5	29.2	.4	- .3
Metal forgings and stampings	41.4	40.4	43.1	1.0	- 1.7
Machinery, except electrical	153.5	152.2	158.1	1.3	- 4.6
Construction and related machinery	11.9	11.8	12.6	.1	- .7
Metalworking machinery	38.8	38.7	41.2	.1	- 2.4
Special industry machinery	16.8	16.6	17.2	.3	- .3
General industrial machinery	26.5	26.4	27.9	.1	- 1.5
Office and computing machines	13.7	13.7	13.7	.1	.1
Refrigeration and service machinery	17.2	16.8	16.3	.3	.9
Electric and electronic equipment	87.8	87.0	90.1	.8	- 2.3
Electrical industrial apparatus	16.8	16.8	16.9	.0	- .1
Household appliances	17.0	16.7	17.2	.3	- .3
Electric lighting and wiring equipment	17.2	17.0	17.9	.3	- .7
Communication equipment	10.0	10.0	10.6	.0	- .6
Transportation equipment	146.1	144.2	151.2	1.9	- 5.1
Motor vehicles and equipment	94.3	91.4	95.3	2.9	- 1.0
Aircraft and parts	42.3	43.3	46.8	- 1.0	- 4.5
Instruments and related products	22.2	22.2	23.1	.0	- .9
Measuring and controlling devices	12.1	12.2	12.2	- .1	- .1
Nondurable Goods[f]	363.5	360.4	361.4	3.1	2.1
Food and kindred products	67.8	66.9	66.6	.9	1.2
Meat products	10.1	9.7	9.7	.4	.5
Dairy products	10.6	10.5	10.3	.1	.3
Preserved fruits and vegetables	14.0	13.8	14.1	.2	- .1
Bakery products	9.2	9.0	8.6	.2	.6
Beverages	10.2	10.2	10.3	.0	- .2
Apparel and other textile products	16.2	15.8	16.5	.4	- .3
Paper and allied products	38.1	37.4	37.4	.8	.7
Misc. converted paper products	12.1	11.9	11.9	.2	.2
Paperboard containers and boxes	13.4	13.1	12.6	.3	.9
Printing and publishing	70.1	70.1	69.3	.1	.9
Newspapers	19.4	19.4	19.4	.0	.0
Commercial printing	26.7	26.5	26.6	.3	.2
Chemicals and allied products	64.7	64.6	63.6	.0	1.0
Industrial inorganic chemicals	10.4	10.2	10.0	.2	.4
Rubber and misc. plastics products	89.8	88.8	91.2	1.0	- 1.4
Tires and inner tubes	16.5	16.5	17.7	.0	- 1.2
Miscellaneous plastics products	53.6	52.9	53.2	.7	.4

See footnotes on page 13.

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1987[b]	August 1987[c]	September 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3542.3	3503.4	3422.4	38.9	119.9
MINING	20.8	20.6	22.1	.2	- 1.3
Bituminous coal and lignite mining	9.3	9.3	10.0	.0	- .7
Oil and gas extraction	6.4	6.4	7.2	.1	- .8
CONSTRUCTION	194.2	194.8	180.0	- .7	14.2
General building contractors	49.1	49.6	45.3	- .5	3.8
Heavy construction contractors	26.3	26.4	25.9	- .2	.4
Highway and street construction	13.4	13.4	12.7	.0	.8
Special trade contractors	118.8	118.8	108.7	.0	10.1
TRANSPORTATION AND PUBLIC UTILITIES	212.8	212.5	210.8	.3	2.1
Railroad transportation	14.8	14.9	16.1	- .1	- 1.3
Transportation, except railroads	103.9	103.4	100.0	.5	3.8
Trucking and warehousing	72.0	71.8	70.0	.1	2.0
Communication, electric, gas services	94.2	94.3	94.6	- .1	- .4
Communication	52.9	52.8	52.5	.1	.4
Electric, gas, and sanitary services	41.3	41.5	42.1	- .2	- .8
WHOLESALE TRADE	252.0	252.0	247.6	.0	4.5
Wholesale trade-durable goods	159.0	159.0	156.5	.0	2.5
Motor vehicles & automotive equipment	22.5	22.4	22.5	.1	- .1
Electrical goods	20.7	20.6	20.6	.1	.2
Machinery, equipment, and supplies	68.5	68.7	67.4	- .2	1.1
Wholesale trade-nondurable goods	93.0	93.0	91.1	.0	2.0
Groceries and related products	30.0	29.8	29.0	.1	1.0
RETAIL TRADE	864.0	861.2	834.9	2.7	29.0
General merchandise stores	113.9	112.0	114.3	1.9	- .4
Department stores	100.3	98.7	102.2	1.7	- 1.8
Food stores	132.8	132.0	129.2	.8	3.6
Automotive dealers & service stations	96.9	97.0	92.5	- .1	4.4
Apparel and accessory stores	40.6	40.5	38.7	.2	1.9
Eating and drinking places	309.3	310.1	299.5	- .9	9.8
FINANCE, INSURANCE, AND REAL ESTATE	245.7	246.8	235.4	- 1.2	10.3
Banking	63.3	63.6	61.8	- .3	1.5
Credit agencies other than banks	38.7	39.0	37.3	- .3	1.4
Insurance carriers	66.0	65.8	63.7	.2	2.2
Life insurance	24.1	24.0	23.7	.0	.4
Fire, marine, and casualty insurance	29.3	29.3	28.7	.1	.6
SERVICES	1077.9	1073.2	1021.7	4.7	56.2
Hotels and other lodging places	35.6	36.8	34.9	- 1.2	.7
Personal services	57.1	56.8	53.7	.3	3.5
Laundry, cleaning, & garment services	18.9	18.8	18.1	.2	.9
Business services	220.4	219.3	199.6	1.1	20.8
Services to buildings	30.4	30.5	28.6	- .1	1.8
Computer and data processing services	20.2	20.1	18.3	.1	1.9
Amusement and recreation services	50.6	54.4	47.7	- 3.8	2.9
Health services	364.8	364.9	348.6	- .1	16.2
Nursing and personal care facilities	80.9	80.8	77.3	.1	3.7
Hospitals	178.6	178.9	171.8	- .3	6.8
Educational services	55.1	45.1	55.5	10.0	- .4
Colleges and universities	28.1	21.1	29.3	7.0	- 1.3
GOVERNMENT	674.9	642.2	670.0	32.8	5.0
Federal government	94.9	94.8	93.8	.1	1.1
State government	144.3	133.6	141.4	10.7	3.0
State government education[1]	69.1	56.7	68.8	12.4	.4
State government, except education	75.2	76.9	72.6	- 1.7	2.6
Local government	435.7	413.8	434.8	22.0	.9
Local government education	246.6	218.6	248.1	28.0	- 1.6
Local government, except education	189.1	195.2	186.7	- 6.0	2.5

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]
MANUFACTURING	$499.80	$492.37	$487.30	42.5	42.3	42.3	$11.76	$11.64	$11.52
Durable Goods[e]	517.16	510.00	507.03	42.6	42.5	42.5	12.14	12.00	11.93
Lumber and wood products	291.27	300.94	302.00	39.9	41.0	41.2	7.30	7.34	7.33
Furniture and fixtures	354.96	363.58	348.57	40.8	41.6	41.3	8.70	8.74	8.44
Stone, clay, and glass products	458.15	440.96	447.62	42.5	41.6	41.6	10.78	10.60	10.76
Glass and glassware, pressed or blown	477.00	460.69	491.73	40.7	40.2	42.1	11.72	11.46	11.68
Primary metal industries	626.05	603.90	559.68	45.3	44.7	42.4	13.82	13.51	13.20
Blast furnace and basic steel products	657.75	628.24	560.67	45.9	45.1	41.5	14.33	13.93	13.51
Iron and steel foundries	616.86	623.76	600.64	44.7	45.2	44.1	13.80	13.80	13.62
Nonferrous rolling and drawing	668.06	610.30	573.92	45.2	42.5	41.2	14.78	14.36	13.93
Fabricated metal products	488.46	484.26	494.38	42.0	42.0	42.4	11.63	11.53	11.66
Cutlery, hand tools, and hardware	459.03	460.85	459.02	39.2	39.9	38.9	11.71	11.55	11.80
Fabricated structural metal products	452.19	474.64	454.40	42.7	44.4	43.4	10.59	10.69	10.47
Metal forgings and stampings	595.45	578.98	628.52	42.9	42.2	44.2	13.88	13.72	14.22
Machinery, except electrical	489.83	489.41	485.41	42.3	42.3	42.1	11.58	11.57	11.53
Construction and related machinery	412.05	397.40	417.18	41.0	39.9	40.7	10.05	9.96	10.25
Metalworking machinery	479.45	475.76	468.52	43.0	42.9	42.4	11.15	11.09	11.05
Special industry machinery	474.96	480.25	459.14	41.7	42.5	42.2	11.39	11.30	10.88
General industrial machinery	526.87	502.98	501.23	42.8	41.5	41.7	12.31	12.12	12.02
Office and computing machines	423.24	442.53	398.24	43.1	44.7	41.7	9.82	9.90	9.55
Refrigeration and service machinery	545.44	537.25	602.89	41.7	41.2	44.2	13.08	13.04	13.64
Electric and electronic equipment	452.79	458.43	464.88	40.5	41.3	42.3	11.18	11.10	10.99
Electrical industrial apparatus	479.70	482.85	436.81	43.1	43.5	40.9	11.13	11.10	10.68
Household appliances	447.70	474.66	497.08	38.2	40.5	43.3	11.72	11.72	11.48
Electric lighting and wiring equipment	445.22	442.49	472.50	39.4	39.9	42.0	11.30	11.09	11.25
Communication equipment	492.47	483.18	492.90	40.7	40.4	42.2	12.10	11.96	11.68
Transportation equipment	641.52	628.00	629.31	44.0	43.4	44.1	14.58	14.47	14.27
Motor vehicles and equipment	659.56	643.44	646.21	44.0	43.3	43.9	14.99	14.86	14.72
Aircraft and parts	603.68	606.76	601.16	44.0	44.0	45.2	13.72	13.79	13.30
Instruments and related products	380.37	371.78	358.30	41.3	40.9	39.9	9.21	9.09	8.98
Measuring and controlling devices	356.18	355.03	346.12	38.8	39.1	38.5	9.18	9.08	8.99
Nondurable Goods[f]	460.40	453.36	443.72	42.2	41.9	41.9	10.91	10.82	10.59
Food and kindred products	451.29	435.11	420.33	43.9	42.7	42.5	10.28	10.19	9.89
Meat products	393.13	378.78	373.82	42.5	41.9	40.5	9.25	9.04	9.23
Dairy produtcs	491.90	469.57	450.07	44.8	43.6	42.3	10.98	10.77	10.64
Preserved fruits and vegetables	448.04	416.38	392.81	46.0	43.6	43.5	9.74	9.55	9.03
Bakery products	452.71	462.04	459.42	39.4	39.9	39.3	11.49	11.58	11.69
Beverages	439.88	450.64	442.73	42.5	43.0	42.9	10.35	10.48	10.32
Apparel and other textile products	289.91	290.97	270.80	38.5	38.9	37.3	7.53	7.48	7.26
Paper and allied products	512.12	499.97	499.26	45.2	44.6	45.1	11.33	11.21	11.07
Misc. converted paper products	467.28	468.59	469.34	44.0	44.5	45.7	10.62	10.53	10.27
Paperboard containers and boxes	443.08	435.02	435.56	44.0	43.2	43.6	10.07	10.07	9.99
Printing and publishing	443.52	432.06	417.40	39.6	39.1	38.9	11.20	11.05	10.73
Newspapers	401.84	359.14	356.68	36.9	34.4	34.9	10.89	10.44	10.22
Commercial printing	442.80	433.35	419.52	41.0	40.5	40.3	10.80	10.70	10.41
Chemicals and allied products	535.50	531.29	518.22	42.0	41.9	42.2	12.75	12.68	12.28
Industrial inorganic chemicals	604.30	598.13	568.01	43.6	43.5	42.2	13.86	13.75	13.46
Rubber and misc. plastics products	439.07	443.65	441.34	42.3	42.7	42.6	10.38	10.39	10.36
Tires and inner tubes	664.45	653.16	628.34	46.4	45.9	45.4	14.32	14.23	13.84
Miscellaneous plastics products	415.24	422.52	425.96	41.4	42.0	42.3	10.03	10.06	10.07

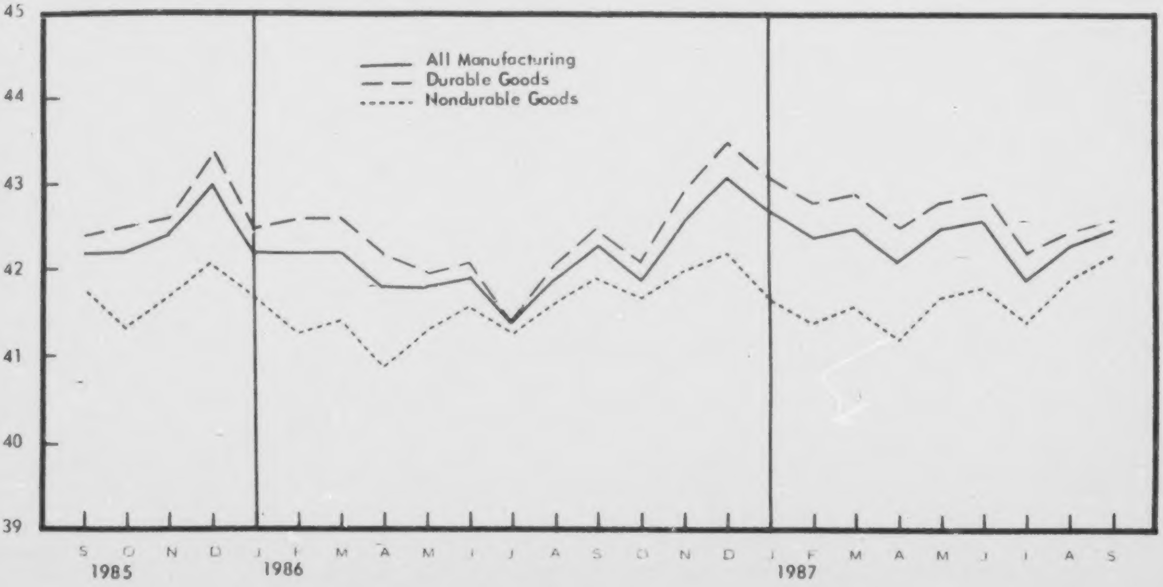
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

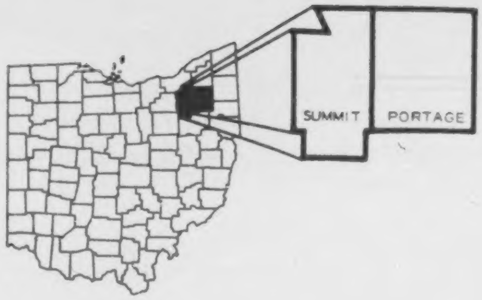
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]
MINING	$545.97	$545.10	$538.77	43.4	43.4	44.6	$12.58	$12.56	$12.08
Bituminous coal and lignite mining	661.00	662.28	635.95	42.7	42.7	42.2	15.48	15.51	15.07
CONSTRUCTION	536.91	577.60	588.85	36.8	39.4	39.6	14.59	14.66	14.87
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	566.50	560.88	549.70	41.2	41.0	41.3	13.75	13.68	13.31
Communication	558.42	555.42	539.97	41.0	40.9	41.0	13.62	13.58	13.17
Electric, gas, and sanitary services	576.29	567.59	560.77	41.4	41.1	41.6	13.92	13.81	13.48
WHOLESALE TRADE	381.97	377.62	368.39	39.5	39.5	39.4	9.67	9.56	9.35
Wholesale trade-durable goods	374.75	373.51	366.83	39.2	39.4	39.7	9.56	9.48	9.24
Wholesale trade-nondurable goods	393.60	384.12	371.50	40.0	39.6	38.9	9.84	9.70	9.55
RETAIL TRADE[h]	165.88	164.37	159.26	29.0	29.3	28.8	5.72	5.61	5.53
General merchandise stores	192.37	185.40	182.70	30.2	30.0	30.0	6.37	6.18	6.09
Department stores	198.86	191.17	187.52	30.5	30.2	30.1	6.52	6.33	6.23
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	257.70	261.64	250.55	....	....	....	.....	.....	.....
Credit agencies other than banks	252.21	253.08	243.38	....	....	....	.....	.....	.....
Insurance carriers	347.04	347.71	333.66	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	335.33	333.00	324.53	33.3	33.2	33.7	10.07	10.03	9.63

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



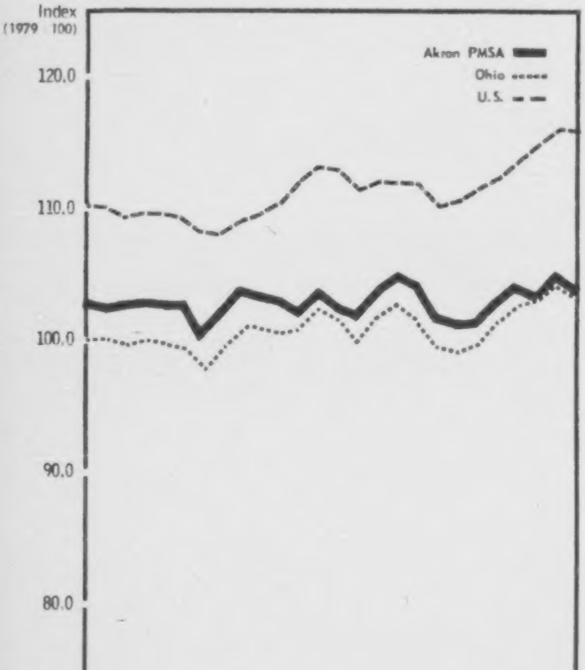
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



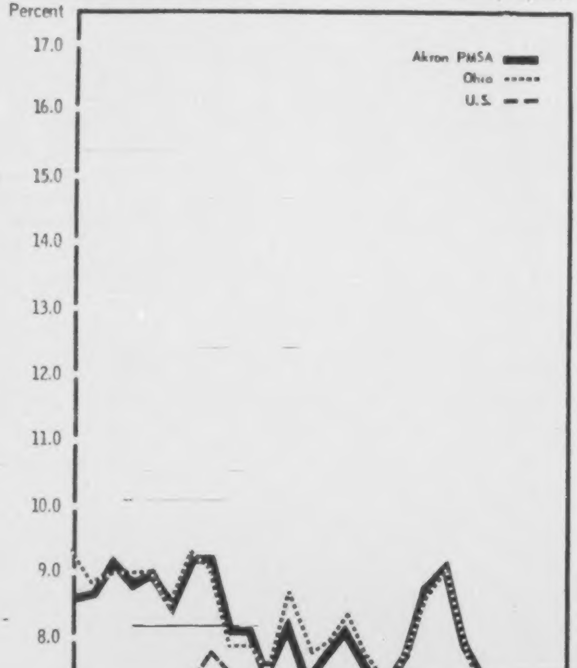
Nonagricultural wage and salary employment for the Akron metropolitan area totaled 269,200 in September, an increase of 6,100 from August. Employment in manufacturing rose 1,100 from the previous month, to 65,400. A modest gain in fabricated metal products contributed to the expansion. Nonmanufacturing employment advanced 5,000 over the month, as the seasonal return of nonteaching personnel in state and local schools provided the major growth. Manufacturing production workers averaged a 43.2 hour workweek, down slightly from August. Their average hourly earnings went up $.14 from last month, to $11.28.

Nonfarm wage and salary employment registered a gain of 5,300 from September 1986. Services, retail trade, and construction accounted for the major portion of the advance. However, declines in state and local government education were also recorded. Setbacks in rubber and miscellaneous plastics products, especially tires and inner tubes, and fabricated metal products helped to reduce manufacturing employment by 1,200 over the period.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



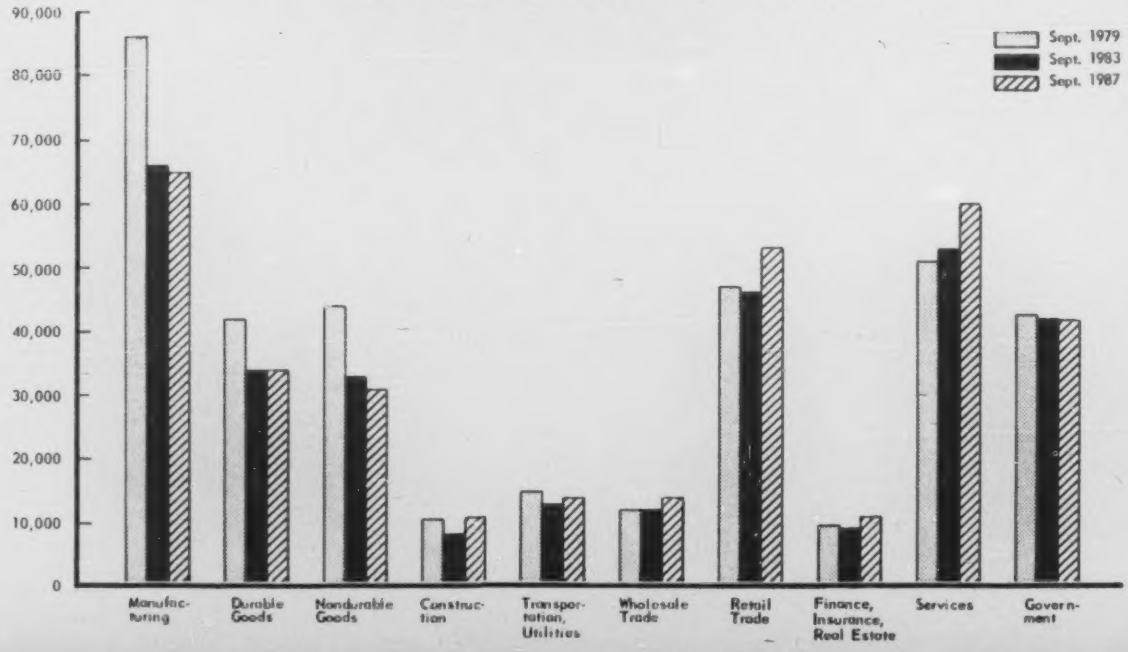
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
317.2	292.5	24.7	7.8	August	257.1	66.1	35.6	491.81	43.6	11.28
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
316.9	293.4	23.5	7.4	April	263.4	64.7	34.9	483.75	43.0	11.25
320.9	297.5	23.4	7.3	May	266.8	64.5	35.0	487.19	43.0	11.33
317.3	294.3	23.1	7.3	June	262.8	64.5	35.0	488.32	43.1	11.33
321.3	299.8	21.6	6.7	July	262.9	64.2	34.9	469.42	42.1	11.15
319.0	296.0	23.1	7.2	August	263.1	64.3	35.0	482.36	43.3	11.14
INA	INA	INA	INA	September	269.2	65.4	36.1	487.30	43.2	11.28

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1987[b]	August 1987[c]	September 1986[c]	From Last Month	From Last Year
TOTAL	269.2	263.1	263.9	6.1	5.3
MANUFACTURING	65.4	64.3	66.7	1.1	- 1.2
Durable Goods[e]	34.3	33.4	35.1	.9	- .8
Fabricated metal products	12.7	12.0	13.1	.7	- .4
Machinery, except electrical	9.3	9.2	9.3	.2	.0
Metalworking machinery	3.1	3.1	3.0	.0	.0
Nondurable Goods[f]	31.1	30.9	31.5	.2	- .4
Food and kindred products	2.9	2.9	2.7	.0	.1
Chemicals and allied products	3.0	3.0	2.9	.0	.1
Rubber and misc. plastics products	19.5	19.2	20.5	.2	- 1.0
Tires and inner tubes	12.1	12.0	13.5	.0	- 1.4
NONMANUFACTURING[g]	203.8	198.8	197.2	5.0	6.6
CONSTRUCTION	11.2	11.2	9.7	.0	1.5
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.5	13.0	.0	.5
Communication, electric, gas services	5.5	5.5	5.4	.0	.1
WHOLESALE TRADE	13.7	13.7	13.6	.0	.1
RETAIL TRADE	52.9	52.3	50.8	.6	2.1
General merchandise stores	6.7	6.5	6.4	.2	.3
FINANCE, INSURANCE, AND REAL ESTATE	10.6	10.6	10.1	- .1	.5
Banking	3.1	3.2	3.1	.0	.0
SERVICES	59.7	59.9	56.7	- .2	3.0
Business services	11.4	11.3	10.6	.1	.8
Amusement and recreation services	4.0	4.7	3.9	- .7	.1
Health services	18.3	18.2	17.6	.1	.8
GOVERNMENT	41.5	37.0	42.7	4.6	- 1.2
State government	14.8	10.3	15.2	4.5	- .4
State government education[i]	11.8	7.2	12.3	4.7	- .5
State government, except education	3.0	3.2	2.9	- .1	.1
Local government	24.3	24.3	25.2	.0	- .9
Local government education	12.9	12.3	13.4	.5	- .6
Local government, except education	11.4	12.0	11.7	- .5	- .3

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

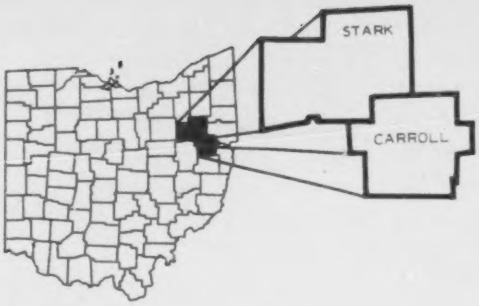
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]
MANUFACTURING	$487.30	$482.36	$490.16	43.2	43.3	43.3	$11.28	$11.14	$11.32
Durable Goods[e]	493.06	494.86	510.27	43.1	43.6	43.8	11.44	11.35	11.65
Fabricated metal products	582.77	598.45	641.70	43.2	45.2	46.0	13.49	13.24	13.95
Machinery, except electrical	448.94	448.50	435.25	44.1	44.1	43.7	10.18	10.17	9.96
Metalworking machinery	446.10	450.24	445.54	44.3	44.8	44.2	10.07	10.05	10.08
Nondurable Goods[f]	480.24	464.61	459.00	43.5	42.9	42.5	11.04	10.83	10.80
Food and kindred products	486.53	469.48	444.85	44.8	44.0	40.7	10.86	10.67	10.93
Chemicals and allied products	527.61	467.64	446.00	44.3	40.7	40.0	11.91	11.49	11.15
Rubber and misc. plastics products	497.01	491.95	496.18	44.1	44.4	44.5	11.27	11.08	11.15
Tires and inner tubes	756.26	742.46	705.65	48.2	48.4	48.2	15.69	15.34	14.64
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	578.93	574.48	552.68	41.5	41.3	41.0	13.95	13.91	13.48
WHOLESALE TRADE	340.23	335.02	325.17	38.1	37.6	38.3	8.93	8.91	8.49
RETAIL TRADE[h]	207.08	201.58	191.27	33.4	33.1	31.0[j]	6.20	6.09	6.17

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1987	August 1987	September 1986
Employment Service Program			
New Applicants	2,652	2,392	3,179
Active File of Job Seekers	17,157	18,259	21,483
Referrals to Jobs	1,691	2,014	1,515
Placements	659	855	771
Job Openings Received	999	762	1,004
Job Openings Unfilled	2,360	2,367	1,197
Unemployment Insurance Program			
Initial Claims	2,197	2,651	3,158
Continued Claims	23,387	23,903	27,859
First Payments	1,142	1,312	1,030
Last Payments	413	403	419
Weeks Compensated	19,210	19,436	17,033
Benefits Paid	$2,879,317	$2,889,382	$2,419,154
Average Weekly Payment	$153.64	$152.48	$145.83

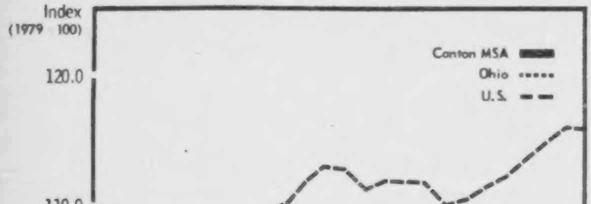
CANTON
METROPOLITAN STATISTICAL AREA



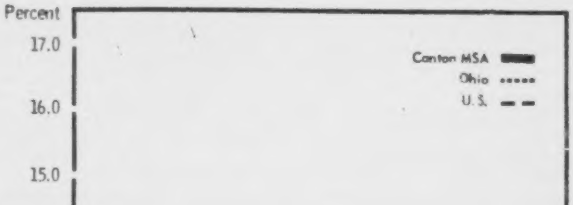
Nonagricultural wage and salary employment in the Canton area totaled 156,700 in September, an increase of 500 jobs from August. Manufacturing employment remained virtually unchanged at 42,300. There was only a minor expansion of 400 nonmanufacturing jobs, mostly occurring in local government education. Factory workers averaged a 41.1 hour workweek, unchanged from last month. They earned $11.32 per hour, up $.11 from August.

Since September 1986, the nonfarm wage and salary employment for the Canton metropolitan area recorded an expansion of 2,900 jobs. Substantial increases in retail trade, construction, and services helped boost nonmanufacturing employment 4,600. A general decline throughout the manufacturing industries, particularly fabricated metal products, contributed to the loss of 1,700 jobs.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

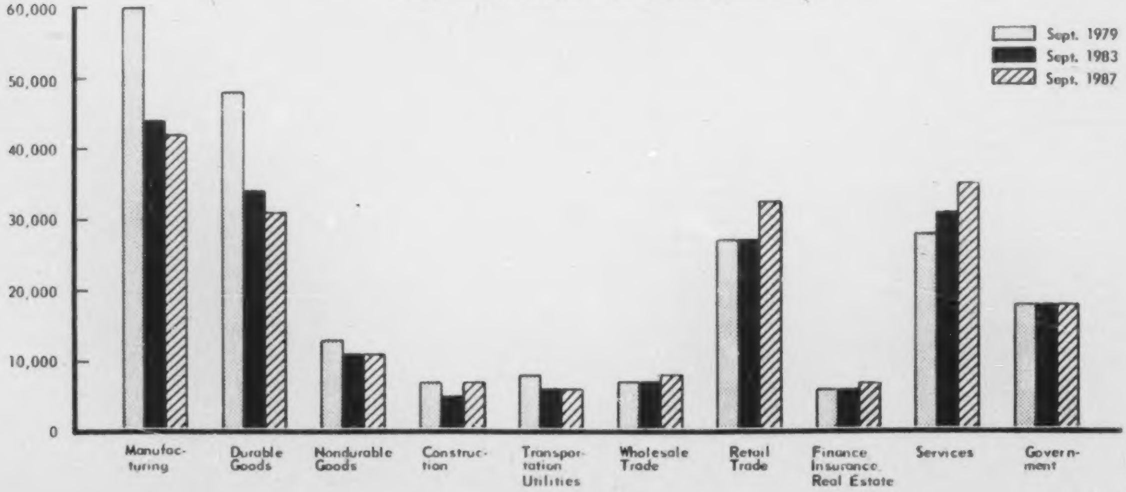


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
190.1	172.2	17.9	9.4	August	152.8	44.2	31.5	448.48	39.9	11.24
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
187.3	170.6	16.7	8.9	April	153.9	42.7	30.2	471.03	41.5	11.35
189.2	172.6	16.7	8.8	May	155.6	42.5	30.1	486.35	42.7	11.39
189.7	173.5	16.2	8.5	June	156.4	42.5	30.1	479.39	42.2	11.36
189.1	175.0	14.1	7.5	July	154.8	41.7	29.5	470.50	41.6	11.31
188.8	174.0	14.8	7.8	August	156.1	42.2	30.2	460.73	41.1	11.21
INA	INA	INA	INA	September	156.7	42.3	30.3	465.25	41.1	11.32

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1987[b]	August 1987[c]	September 1986[c]	From Last Month	From Last Year
TOTAL	156.7	156.1	153.8	.5	2.9
MANUFACTURING	42.3	42.2	44.0	.1	-1.7
Durable Goods[e]	31.2	31.2	32.5	.0	-1.2
Primary metal industries	10.0	10.0	10.2	.0	-.2
Fabricated metal products	6.2	6.2	7.0	.0	-.8
Metal forgings and stampings	2.0	2.0	2.5	.0	-.5
Nondurable Goods[f]	11.1	11.0	11.5	.1	-.4
Food and kindred products	3.7	3.6	3.8	.0	-.1
Rubber and misc. plastics products	2.6	2.6	2.8	.0	-.2
NONMANUFACTURING[g]	114.4	113.9	109.8	.4	4.6
CONSTRUCTION	7.3	7.3	6.1	.0	1.2
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	5.8	.0	.3
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
WHOLESALE TRADE	8.0	8.1	8.0	-.1	.0
Wholesale trade-durable goods	4.5	4.5	4.6	-.1	-.1
RETAIL TRADE	32.5	32.4	30.8	.1	1.7
General merchandise stores	4.0	3.8	3.7	.2	.3
Food stores	5.2	5.3	5.1	-.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.6	6.5	-.1	.0
Banking	1.9	1.9	1.9	.0	.0
SERVICES	34.9	34.8	33.7	.0	1.2
Health services	14.9	14.9	14.5	.0	.4
GOVERNMENT	18.0	17.4	17.8	.5	.2
State government (includes education)	1.8	1.7	1.7	.1	.1
Local government	14.8	14.3	14.7	.5	.1
Local government education	8.4	8.0	8.7	.4	-.3
Local government, except education	6.4	6.3	6.0	.1	.4

Hours & Earnings of Production or Nonsupervisory Workers[a]

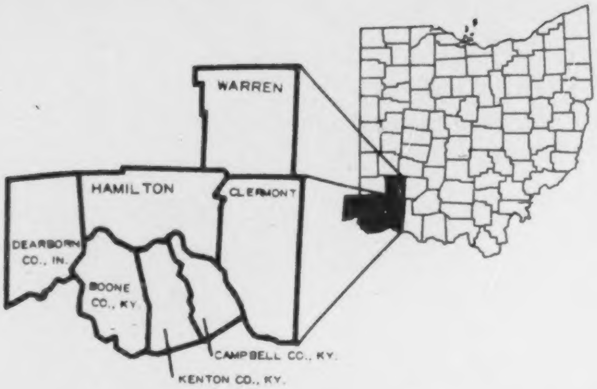
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]
MANUFACTURING	$465.25	$460.73	$447.75	41.1	41.1	39.8	$11.32	$11.21	$11.25
Durable Goods[e]	484.64	480.90	467.60	41.6	41.6	40.0	11.65	11.56	11.69
Primary metal industries	565.02	560.73	499.68	43.0	43.4	39.5	13.14	12.92	12.65
Fabricated metal products	446.19	439.39	494.32	40.6	39.8	41.4	10.99	11.04	11.94
Metal forgings and stampings	607.05	594.91	631.63	41.1	41.0	41.5	14.77	14.51	15.22
Nondurable Goods[f]	407.95	401.58	391.64	39.8	39.8	39.4	10.25	10.09	9.94
Food and kindred products	417.52	415.44	421.58	39.5	40.1	39.4	10.57	10.36	10.70
Rubber and misc. plastics products	450.26	430.95	422.09	42.8	41.2	40.9	10.52	10.46	10.32
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	565.34	555.67	534.56	41.6	41.1	40.9	13.59	13.52	13.07
WHOLESALE TRADE	375.51	374.12	330.17	38.2	37.6	34.5	9.83	9.95	9.57
RETAIL TRADE[h]	154.90	152.64	156.42	28.9	28.8	28.7	5.36	5.30	5.45

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1987	August 1987	September 1986
Employment Service Program			
New Applicants	1,224	1,326	1,526
Active File of Job Seekers	11,327	11,981	19,705
Referrals to Jobs	897	832	934
Placements	180	247	302
Job Openings Received	461	531	497
Job Openings Unfilled	735	788	284
Unemployment Insurance Program			
Initial Claims	1,833	1,616	6,893
Continued Claims	15,061	14,981	21,281
First Payments	699	831	720
Last Payments	203	281	351
Weeks Compensated	10,670	11,483	12,734
Benefits Paid	$1,494,898	$1,591,959	$1,755,616
Average Weekly Payment	$144.14	$142.22	$142.82

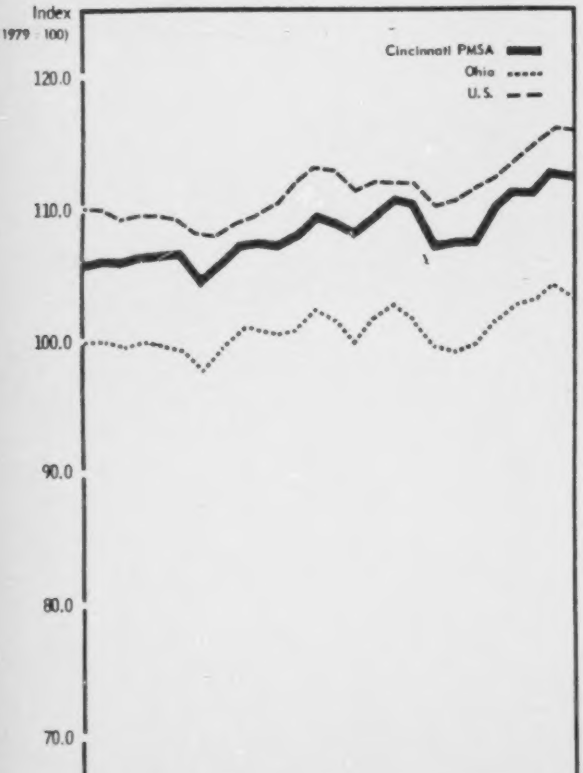
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



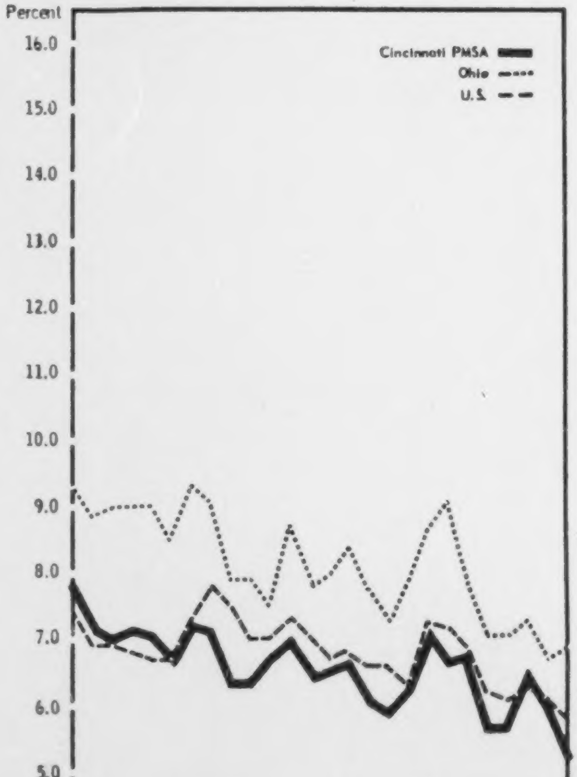
Nonfarm wage and salary employment in the Cincinnati metropolitan area was 687,800 in September, up 3,100 from August. Manufacturing employment, at 146,800, was down 2,400, due to permanent layoffs in motor vehicles and equipment. Seasonal losses in amusement and recreation services were more than offset by sharp increases in nonfaculty employment in state and local schools. Manufacturing production workers averaged $10.97 per hour, down $.10. Their average workweek increased slightly, to 42.9 hours.

Since September 1986, nonfarm employment has risen 24,400. Significant growth in retail trade, business and health services, and construction contributed most to the change. Manufacturing lost 2,500 workers over the year. Losses in motor vehicles and equipment and nonelectrical machinery overshadowed scattered gains in nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

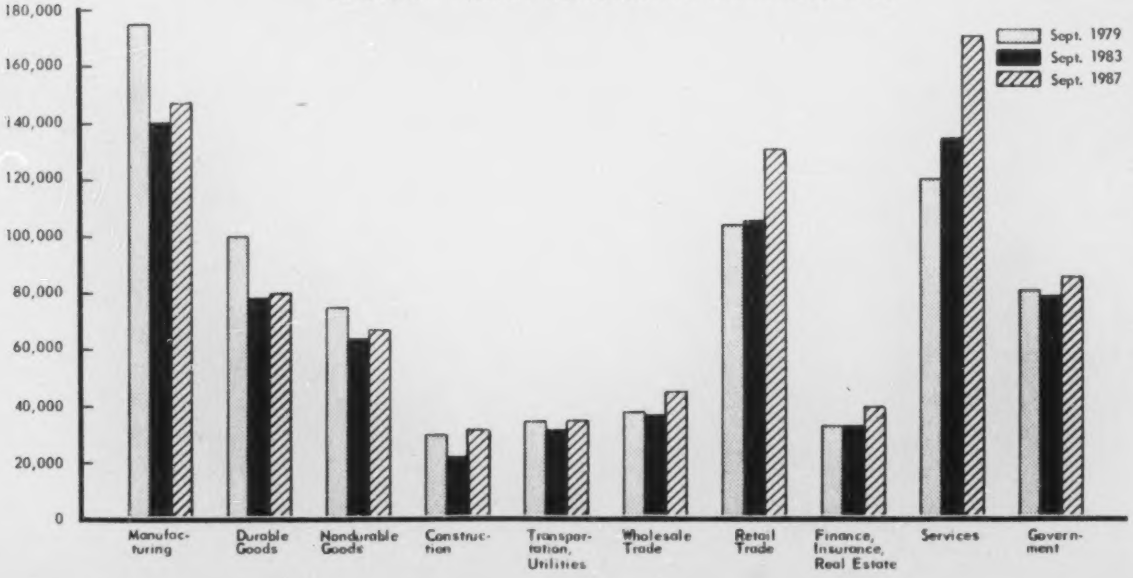


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
730.4	683.1	47.3	6.5	August	655.3	148.7	96.6	452.81	42.2	10.73
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
727.0	675.0	52.0	7.2	March	657.2	143.9	91.6	462.40	42.5	10.88
732.2	691.5	40.7	5.6	April	671.8	147.5	95.3	459.38	41.8	10.99
740.9	699.3	41.6	5.6	May	678.7	148.1	95.7	466.15	42.3	11.02
747.8	698.8	48.9	6.5	June	679.2	145.4	92.6	466.52	42.8	10.90
752.9	708.5	44.4	5.9	July	678.2	145.6	92.4	451.73	42.1	10.73
744.3	705.4	38.9	5.2	August	684.7	149.2	96.2	472.69	42.7	11.07
INA	INA	INA	INA	September	687.8	146.8	94.0	470.61	42.9	10.97

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1987[b]	August 1987[c]	September 1986[c]	From Last Month	From Last Year
TOTAL	687.8	684.7	663.3	3.1	24.4
MANUFACTURING	146.8	149.2	149.3	- 2.4	- 2.5
Durable Goods[e]	79.5	82.4	82.7	- 2.8	- 3.2
Fabricated metal products	11.3	11.2	11.0	.0	.3
Fabricated structural metal products	4.6	4.4	4.1	.2	.5
Machinery, except electrical	19.5	19.4	20.6	.1	- 1.1
Metalworking machinery	7.9	7.9	8.7	.0	- .8
General industrial machinery	2.7	2.6	2.8	.0	- .2
Electric and electronic equipment	7.5	7.5	7.7	.0	- .2
Transportation equipment	25.6	28.8	28.5	- 3.2	- 2.9
Motor vehicles and equipment	5.0	8.1	8.4	- 3.1	- 3.5
Nondurable Goods[f]	67.2	66.8	66.5	.4	.7
Food and kindred products	13.4	13.3	13.2	.1	.1
Beverages	3.8	3.9	4.0	- .1	- .3
Apparel and other textile products	3.8	3.7	3.5	.1	.3
Paper and allied products	6.9	6.7	6.4	.2	.5
Printing and publishing	13.4	13.4	13.0	.0	.3
Commercial printing	6.1	5.9	5.5	.2	.5
Chemicals and allied products	22.3	22.3	22.4	.0	- .1
Rubber and misc. plastics products	5.7	5.6	5.6	.1	.0
NONMANUFACTURING[g]	541.0	535.5	514.0	5.5	27.0
CONSTRUCTION	31.6	31.7	28.6	- .1	3.1
TRANSPORTATION AND PUBLIC UTILITIES	35.5	35.0	34.7	.4	.8
Trucking and warehousing	9.7	9.7	9.7	.0	.1
Communication, electric, gas services	15.3	15.4	15.4	- .1	- .1
WHOLESALE TRADE	45.5	45.4	43.2	.1	2.4
Wholesale trade-durable goods	27.3	27.3	25.8	.0	1.5
RETAIL TRADE	131.1	130.6	125.1	.6	6.0
General merchandise stores	19.4	19.2	18.9	.3	.5
FINANCE, INSURANCE, AND REAL ESTATE	40.4	40.8	38.5	- .5	1.9
Banking	8.5	8.6	8.2	.0	.4
Insurance carriers	13.2	13.2	12.6	.0	.6
SERVICES	170.2	170.2	158.8	.0	11.4
Hotels and other lodging places	6.9	7.0	6.8	- .1	.1
Personal services	8.4	8.3	7.9	.1	.5
Business services	41.1	40.7	36.9	.4	4.2
Amusement and recreation services	10.0	10.9	9.5	- .9	.5
Health services	52.5	52.6	48.9	- .1	3.6
Hospitals	25.1	25.2	23.7	- .1	1.4
GOVERNMENT	86.3	81.4	84.9	4.8	1.4
Federal government	14.3	14.0	13.8	.3	.4
State government	18.9	18.1	18.4	.8	.5
State government education[i]	10.9	10.0	10.4	.9	.5
State government, except education	8.0	8.1	8.0	- .1	.0
Local government	53.1	49.4	52.7	3.7	.4
Local government education	30.7	26.7	30.3	4.0	.4
Local government, except education	22.4	22.7	22.3	- .3	.1

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]
MANUFACTURING	$470.61	$472.69	$456.84	42.9	42.7	42.3	$10.97	$11.07	$10.80
Durable Goods[e]	468.94	476.19	466.04	43.3	42.9	42.6	10.83	11.10	10.94
Fabricated metal products	429.87	424.76	411.61	44.5	43.7	43.1	9.66	9.72	9.55
Fabricated structural metal products	449.57	437.40	443.77	46.3	45.0	44.6	9.71	9.72	9.95
Machinery, except electrical	409.19	414.81	419.89	41.5	41.9	42.2	9.86	9.90	9.95
Metalworking machinery	451.26	461.55	463.75	41.9	42.5	42.9	10.77	10.86	10.81
General industrial machinery	423.20	398.90	402.48	44.5	42.8	42.5	9.51	9.32	9.47
Electric and electronic equipment	358.18	351.20	369.15	40.2	40.0	41.2	8.91	8.78	8.96
Transportation equipment	694.85	673.80	661.93	46.2	44.3	45.4	15.04	15.21	14.58
Motor vehicles and equipment	773.30	689.60	689.47	47.5	43.1	44.8	16.28	16.00	15.39
Nondurable Goods[f]	472.18	469.20	445.40	42.5	42.5	41.9	11.11	11.04	10.63
Food and kindred products	527.58	529.02	483.09	44.9	45.1	43.6	11.75	11.73	11.08
Beverages	534.60	538.82	541.45	42.7	42.9	44.2	12.52	12.56	12.25
Apparel and other textile products	214.70	215.84	208.82	37.8	38.0	36.7	5.68	5.68	5.69
Paper and allied products	442.68	432.58	406.55	43.4	43.0	41.4	10.20	10.06	9.82
Printing and publishing	484.88	470.09	454.91	42.2	41.2	39.8	11.49	11.41	11.43
Commercial printing	544.24	517.09	520.26	46.2	44.5	43.5	11.78	11.62	11.96
Chemicals and allied products	523.27	530.04	509.78	41.3	42.0	42.2	12.67	12.62	12.08
Rubber and misc. plastics products	442.38	414.70	422.27	45.7	44.4	46.2	9.68	9.34	9.14
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	555.41	543.10	528.68	40.6	40.2	39.9	13.68	13.51	13.25
WHOLESALE TRADE	397.44	389.91	384.74	41.1	41.0	40.8	9.67	9.51	9.43
RETAIL TRADE[h]	168.67	167.01	163.79	29.8	30.2	29.3	5.66	5.53	5.59
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	258.95	256.92	253.20	....	....	....	.....	.....	.....

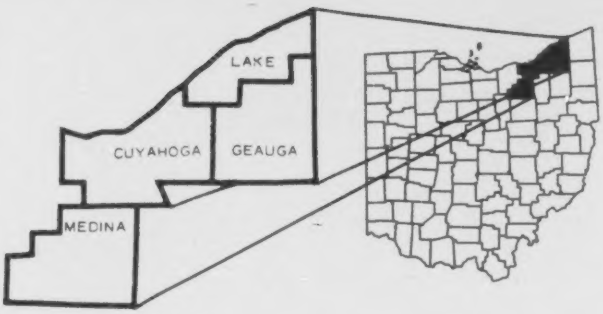
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	September 1987	August 1987	September 1986
Employment Service Program			
New Applicants	4,328	2,802	4,134
Active File of Job Seekers	16,686	17,022	26,429
Referrals to Jobs	1,912	2,265	2,047
Placements	371	603	606
Job Openings Received	1,691	1,884	1,260
Job Openings Unfilled	3,459	3,434	1,799
Unemployment Insurance Program			
Initial Claims	5,226	4,113	4,213
Continued Claims	36,320	29,639	38,114
First Payments	2,683	1,361	1,658
Last Payments	517	648	799
Weeks Compensated	23,650	23,463	26,222
Benefits Paid	$3,461,339	$3,217,682	$3,702,221
Average Weekly Payment	$149.17	$139.84	$144.17

[a]Ohio data only

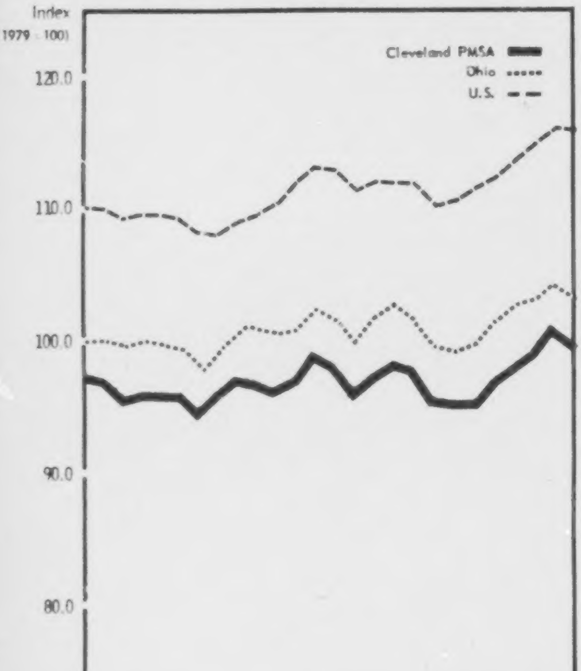
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



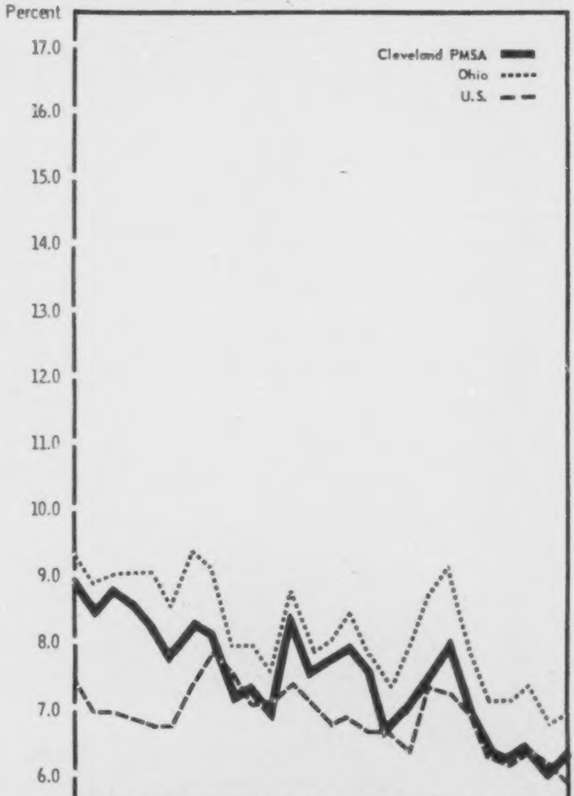
September employment in the Cleveland PMSA rose 1,900 from August, to 910,200. Gains in motor vehicles and equipment boosted manufacturing employment 1,000, to 204,300. Services and retail trade also had significant increases. A large decline in noneducational local government was partially offset by the return of nonteaching personnel to the local schools. Production workers earned an average of $11.47 an hour for a workweek of 42.3 hours, both down slightly from August.

Nonagricultural employment in the Cleveland area was up 20,800 from September 1986. Most of the increase was in services and retail trade, although finance, insurance, and real estate also advanced significantly. Manufacturing employment declined 1,200 over the year. Losses in durable-goods industries, especially instruments and related products and nonelectrical machinery, were somewhat negated by gains in most nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

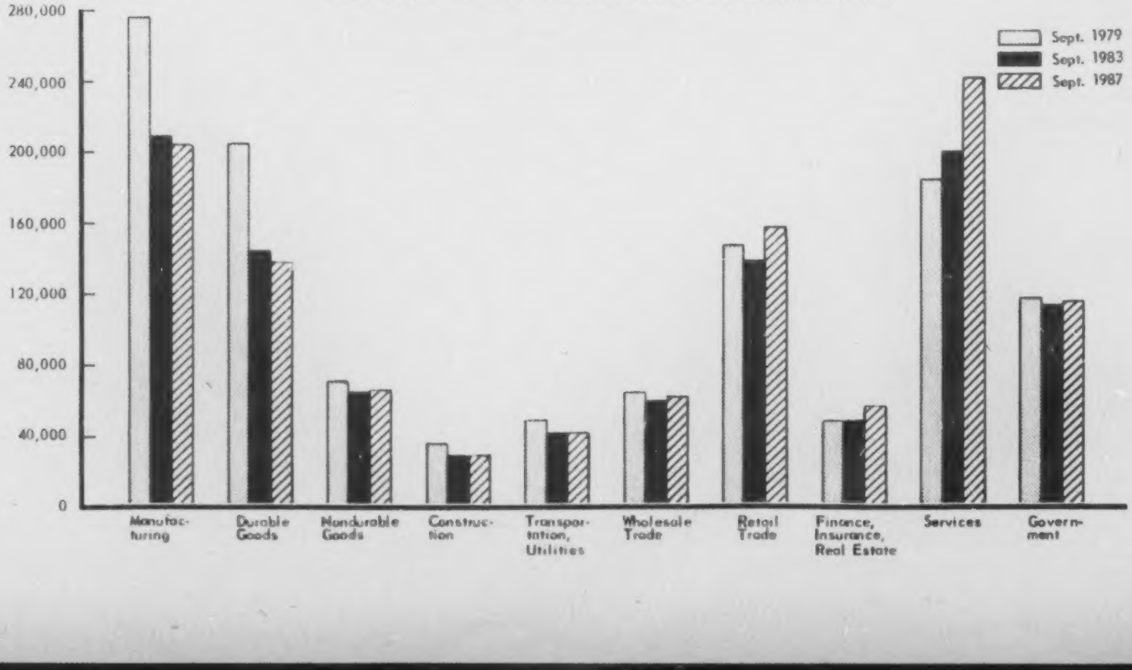


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
945.4	872.8	72.6	7.7	August	887.6	204.1	130.2	479.94	42.1	11.40
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
914.3	850.9	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
923.1	865.1	58.0	6.3	April	893.4	203.8	130.9	494.89	42.7	11.59
930.8	872.8	58.0	6.2	May	900.8	203.9	130.3	493.19	42.7	11.55
940.0	879.7	60.3	6.4	June	908.0	204.2	130.5	494.21	42.9	11.52
954.0	897.4	56.6	5.9	July	910.0	202.8	128.9	476.52	41.8	11.40
941.9	882.5	59.4	6.3	August	908.3	203.3	129.6	486.75	42.4	11.48
INA	INA	INA	INA	September	910.2	204.3	130.6	485.18	42.3	11.47

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1987[b]	August 1987[c]	September 1986[c]	From Last Month	From Last Year
TOTAL	910.2	908.3	889.4	1.9	20.8
MANUFACTURING	204.3	203.3	205.5	1.0	- 1.2
Durable Goods[e]	138.1	137.2	140.8	.9	- 2.7
Primary metal industries	20.9	20.8	21.2	.1	- .3
Iron and steel foundries	5.2	5.1	5.4	.1	- .2
Fabricated metal products	32.6	32.7	32.7	- .1	- .1
Fabricated structural metal products	3.9	3.8	3.9	.1	.0
Screw machine products, bolts, etc.	4.8	4.8	4.7	.0	.1
Metal forgings and stampings	11.0	11.2	11.0	- .2	.0
Machinery, except electrical	29.9	29.8	30.7	.1	- .8
Construction and related machinery	2.6	2.5	2.6	.1	.0
Metalworking machinery	9.8	9.8	10.0	.0	- .2
Special industry machinery	3.2	3.2	3.4	.0	- .2
General industrial machinery	2.7	2.7	2.9	.0	- .2
Electric and electronic equipment	18.8	18.7	19.1	.2	- .2
Electrical industrial apparatus	6.4	6.4	6.5	.0	- .1
Transportation equipment	19.0	18.4	19.3	.6	- .3
Motor vehicles and equipment	12.0	11.3	12.2	.7	- .3
Instruments and related products	6.3	6.3	7.5	.0	- 1.2
Measuring and controlling devices	4.1	4.1	4.3	.0	- .2
Nondurable Goods[f]	66.2	66.1	64.7	.1	1.5
Food and kindred products	7.0	6.9	6.7	.0	.3
Apparel and other textile products	4.1	4.0	4.3	.1	- .2
Paper and allied products	5.6	5.6	5.4	.0	.2
Printing and publishing	16.9	17.1	16.6	- .2	.3
Chemicals and allied products	15.1	15.2	14.5	- .1	.6
Rubber and misc. plastics products	12.3	12.1	11.9	.2	.3
NONMANUFACTURING[g]	705.9	705.0	683.9	.9	22.0
CONSTRUCTION	29.1	29.3	28.4	- .2	.7
TRANSPORTATION AND PUBLIC UTILITIES	41.9	41.9	41.8	.0	.0
Trucking and warehousing	12.1	12.2	11.5	- .1	.6
Communication, electric, gas services	18.2	18.3	18.9	.0	- .7
WHOLESALE TRADE	62.1	62.2	62.3	- .1	- .2
Wholesale trade-durable goods	42.7	42.8	43.3	- .2	- .6
RETAIL TRADE	157.9	157.2	153.4	.6	4.4
General merchandise stores	20.1	19.7	20.2	.4	- .1
FINANCE, INSURANCE, AND REAL ESTATE	55.5	55.8	53.1	- .3	2.5
Banking	13.7	13.7	13.1	- .1	.5
Credit agencies other than banks	9.2	9.3	8.8	- .1	.4
Insurance carriers	13.4	13.4	12.9	.0	.5
SERVICES	242.2	239.4	229.2	2.8	13.0
Business services	55.5	55.0	51.5	.6	4.0
Amusement and recreation services	9.7	10.4	9.7	- .6	.1
Health services	76.0	76.1	72.6	.0	3.5
Hospitals	44.1	44.3	41.9	- .1	2.3
GOVERNMENT	116.2	118.2	114.5	- 2.0	1.7
Federal government	20.4	20.5	20.2	.0	.3
State government	7.8	7.9	7.6	- .2	.2
State government education[i]	2.4	2.4	2.4	.0	.1
State government, except education	5.3	5.5	5.2	- .2	.2
Local government	88.0	89.8	86.7	- 1.8	1.2
Local government education	41.8	40.1	41.1	1.7	.7
Local government, except education	46.1	49.7	45.6	- 3.5	.5

Hours & Earnings of Production or Nonsupervisory Workers[a]

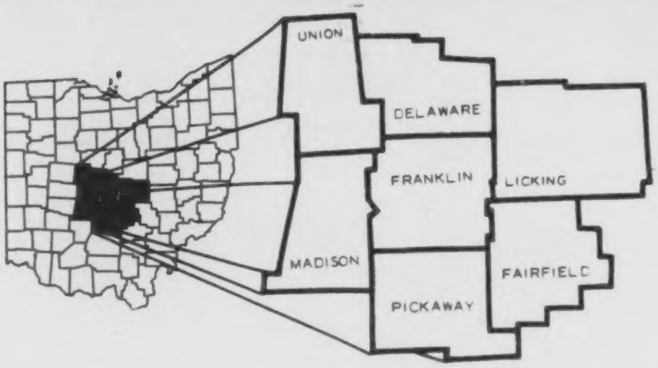
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]
MANUFACTURING	$485.18	$486.75	$485.06	42.3	42.4	42.4	$11.47	$11.48	$11.44
Durable Goods[e]	517.29	517.72	513.68	43.0	43.0	42.7	12.03	12.04	12.03
Primary metal industries	598.78	594.23	591.65	45.5	45.5	43.6	13.16	13.06	13.57
Iron and steel foundries	869.70	848.06	793.28	50.8	50.3	48.4	17.12	16.86	16.39
Fabricated metal products	505.14	509.32	501.50	42.7	42.8	42.9	11.83	11.90	11.69
Fabricated structural metal products	395.21	396.90	412.02	39.8	40.5	43.6	9.93	9.80	9.45
Screw machine products, bolts, etc.	471.05	465.70	435.56	43.9	44.1	41.8	10.73	10.56	10.42
Metal forgings and stampings	623.57	627.54	655.85	44.1	44.1	45.2	14.14	14.23	14.51
Machinery, except electrical	456.50	471.33	448.36	41.2	41.6	41.4	11.08	11.33	10.83
Construction and related machinery	388.33	401.84	436.93	43.1	44.5	45.8	9.01	9.03	9.54
Metalworking machinery	428.26	422.06	407.43	41.1	40.7	40.3	10.42	10.37	10.11
Special industry machinery	452.35	455.34	492.25	37.2	37.6	41.4	12.16	12.11	11.89
General industrial machinery	490.94	472.34	466.15	43.6	41.8	42.3	11.26	11.30	11.02
Electric and electronic equipment	447.37	446.29	425.72	41.5	41.4	40.7	10.78	10.78	10.46
Electrical industrial apparatus	514.68	516.29	448.26	44.6	44.7	41.2	11.54	11.55	10.88
Transportation equipment	685.82	680.35	701.57	45.6	45.6	46.4	15.04	14.92	15.12
Motor vehicles and equipment	732.79	730.51	737.68	45.6	45.6	46.6	16.07	16.02	15.83
Instruments and related products	394.13	389.64	407.53	40.8	40.8	41.5	9.66	9.55	9.82
Measuring and controlling devices	394.22	391.64	401.57	39.7	39.6	41.7	9.93	9.89	9.63
Nondurable Goods[f]	410.86	414.92	414.34	40.8	41.0	41.6	10.07	10.12	9.96
Food and kindred products	390.06	381.84	402.32	43.1	43.0	43.4	9.05	8.88	9.27
Apparel and other textile products	311.66	309.08	308.77	38.1	38.3	38.5	8.18	8.07	8.02
Paper and allied products	494.31	466.35	489.91	43.9	41.9	44.7	11.26	11.13	10.96
Printing and publishing	409.26	424.71	410.88	38.5	39.0	38.4	10.63	10.89	10.70
Chemicals and allied products	500.41	498.80	497.66	42.3	43.0	43.2	11.83	11.60	11.52
Rubber and misc. plastics products	359.68	377.04	377.54	41.2	41.8	43.0	8.73	9.02	8.78
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	595.65	593.98	571.87	41.8	41.8	41.5	14.25	14.21	13.78
WHOLESALE TRADE	395.76	394.97	389.08	38.8	39.3	39.5	10.20	10.05	9.85
RETAIL TRADE[h]	191.32	189.80	183.46	28.9	29.2	28.8	6.62	6.50	6.37
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	289.26	300.02	294.47	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	......	.....	.....
Hospitals	346.68	346.36	338.25	32.4	32.4	33.0	10.70	10.69	10.25

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1987	August 1987	September 1986
Employment Service Program			
New Applicants	5,760	6,740	9,932
Active File of Job Seekers	60,494	61,485	106,123
Referrals to Jobs	2,168	2,923	6,256
Placements	330	1,080	5,759
Job Openings Received	1,470	2,222	5,540
Job Openings Unfilled	2,803	2,929	4,012
Unemployment Insurance Program			
Initial Claims	6,008	6,554	7,096
Continued Claims	53,758	54,311	62,375
First Payments	2,541	3,460	2,805
Last Payments	966	1,101	1,179
Weeks Compensated	43,014	46,382	48,678
Benefits Paid	$6,144,287	$6,575,266	$7,118,309
Average Weekly Payment	$145.34	$144.00	$148.61

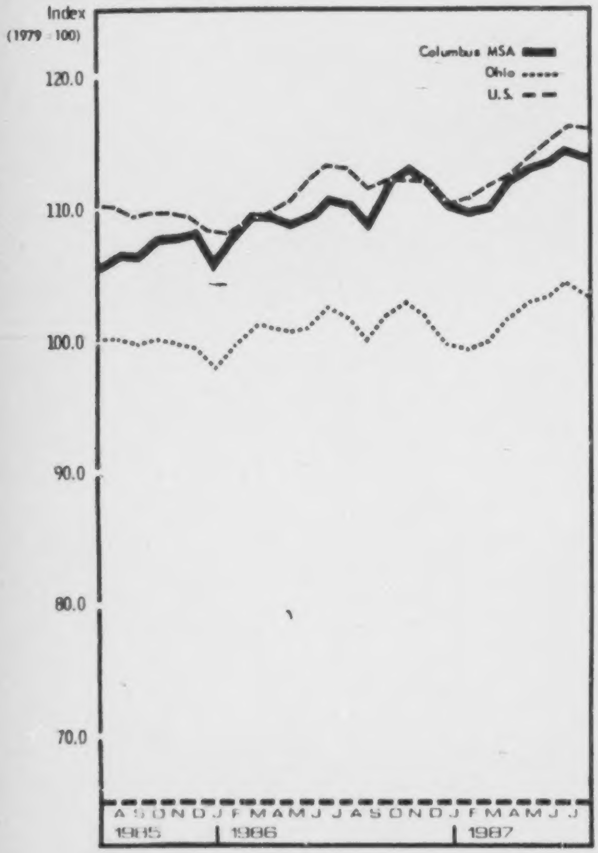
COLUMBUS
METROPOLITAN STATISTICAL AREA



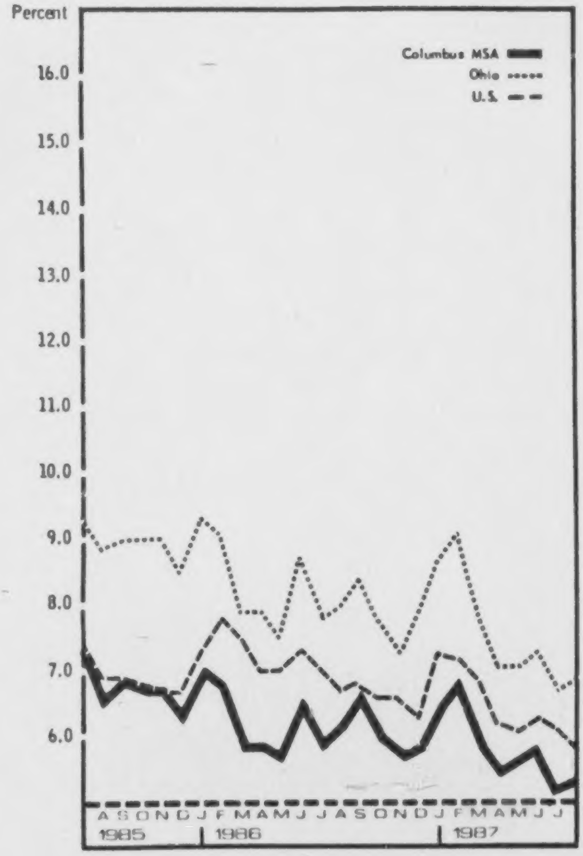
Nonfarm wage and salary employment in the Columbus area totaled 662,600 in September, up 4,800 from August. The seasonal return of nonteaching personnel in local schools and colleges accounted for most of the increase. Services and retail trade also registered noteworthy increases for the month. Manufacturing employment, at 102,600, showed a slight decline due to losses in transportation equipment. Factory production workers earned an average of $11.46 per hour, up $.08 from August. Their average workweek was 41.7 hours, up .6 hours.

Since September 1986, nonfarm employment increased 24,100. Growth in services and retail trade contributed most to the improvement, although all nonmanufacturing sectors recorded growth. Declines in transportation equipment, stone, clay, and glass products, and fabricated metal products more than offset improvements in nondurable-goods industries, as manufacturing employment fell 4,800 over the year.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

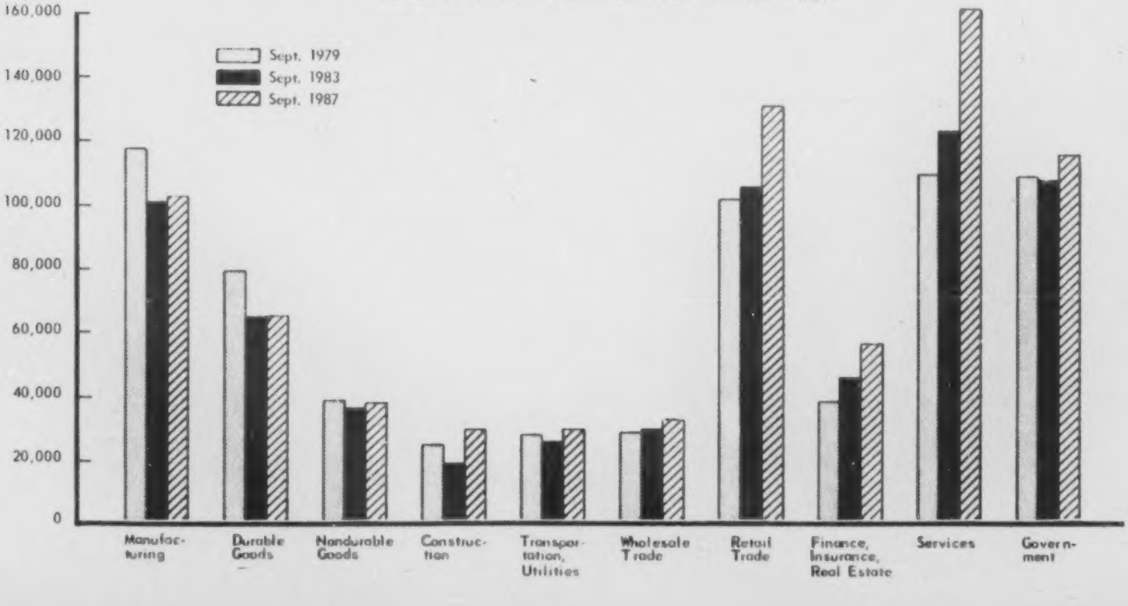


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
679.2	637.7	41.5	6.1	August	631.9	106.3	70.6	461.66	41.0	11.26
671.2	626.7	44.4	6.6	September	638.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.6	635.4	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
682.2	645.7	36.5	5.4	April	650.6	103.0	68.2	466.49	41.1	11.35
691.2	652.2	39.0	5.6	May	656.6	102.6	67.9	474.24	41.6	11.40
696.4	656.1	40.3	5.8	June	661.0	103.1	68.2	473.10	41.5	11.40
697.2	661.3	35.9	5.1	July	653.4	102.3	67.3	474.12	41.3	11.48
691.9	655.4	36.6	5.3	August	657.9	102.7	67.7	467.72	41.1	11.38
INA	INA	INA	INA	September	662.6	102.6	67.6	477.88	41.7	11.46

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1987[b]	August 1987[c]	September 1986[c]	From Last Month	From Last Year
TOTAL	662.6	657.9	638.6	4.8	24.1
MANUFACTURING	102.6	102.7	107.4	- .1	- 4.8
Durable Goods[e]	64.8	64.9	70.6	- .1	- 5.7
Stone, clay, and glass products	10.3	10.2	12.1	.0	- 1.8
Glass and glassware, pressed or blown	4.2	4.3	4.8	.0	- .5
Fabricated metal products	9.0	8.8	10.2	.2	- 1.2
Fabricated structural metal products	2.8	2.8	3.1	.0	- .2
Machinery, except electrical	9.6	9.5	9.3	.1	.2
Electric and electronic equipment	10.8	10.7	11.4	.1	- .6
Transportation equipment	13.7	14.1	16.3	- .4	- 2.6
Instruments and related products	4.1	4.1	4.1	.0	.0
Nondurable Goods[f]	37.8	37.8	36.8	.0	1.0
Food and kindred products	10.6	10.6	10.0	.0	.6
Printing and publishing	9.9	9.9	9.8	.0	.1
Chemicals and allied products	7.2	7.2	7.2	.0	.0
Rubber and misc. plastics products	5.6	5.5	5.4	.1	.2
NONMANUFACTURING[g]	560.0	555.1	531.2	4.9	28.8
CONSTRUCTION	29.8	30.1	26.9	- .3	2.9
TRANSPORTATION AND PUBLIC UTILITIES	29.6	29.3	27.8	.3	1.8
Trucking and warehousing	11.9	11.8	10.9	.1	1.0
Communication, electric, gas services	12.4	12.4	12.2	.0	.2
WHOLESALE TRADE	33.4	33.2	32.5	.2	.8
Wholesale trade-durable goods	21.7	21.7	21.2	.1	.5
RETAIL TRADE	131.4	130.3	125.5	1.1	5.9
General merchandise stores	18.3	17.9	17.9	.4	.4
FINANCE, INSURANCE, AND REAL ESTATE	57.2	57.3	54.4	- .1	2.8
Banking	12.0	12.0	11.6	.0	.4
Insurance carriers	21.8	21.7	21.0	.1	.7
SERVICES	162.0	160.5	149.6	1.5	12.4
Business services	37.7	37.6	33.9	.2	3.8
Health services	40.8	40.8	38.4	.1	2.5
Hospitals	17.6	17.6	16.7	.0	.9
GOVERNMENT	115.6	113.4	113.6	2.2	2.0
Federal government	15.5	15.6	15.5	.0	.0
State government	48.8	49.2	47.4	- .4	1.3
State government education[1]	18.1	17.9	17.8	.1	.3
State government, except education	30.7	31.2	29.6	- .5	1.0
Local government	51.3	48.6	50.6	2.7	.7
Local government education	30.3	27.5	29.8	2.7	.4
Local government, except education	21.1	21.1	20.8	.0	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

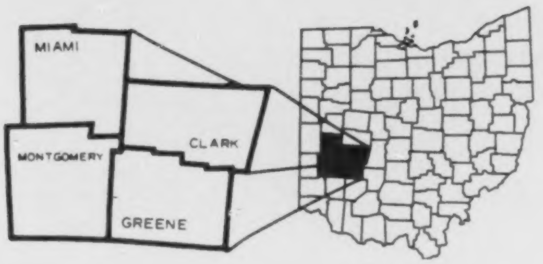
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]
MANUFACTURING	$477.88	$467.72	$465.86	41.7	41.1	41.3	$11.46	$11.38	$11.28
Durable Goods[e]	487.14	477.99	479.00	41.6	41.1	41.4	11.71	11.63	11.57
Stone, clay, and glass products	487.21	464.04	464.88	41.5	39.9	39.0	11.74	11.63	11.92
Glass and glassware, pressed or blown	459.54	412.42	464.06	41.4	38.4	40.6	11.10	10.74	11.43
Fabricated metal products	507.55	495.32	484.33	41.5	40.7	40.7	12.23	12.17	11.90
Fabricated structural metal products	441.79	436.30	438.68	41.6	40.7	41.7	10.62	10.72	10.52
Machinery, except electrical	452.38	437.54	437.00	42.2	41.2	41.5	10.72	10.62	10.53
Electric and electronic equipment	455.06	451.45	458.27	40.2	40.2	41.1	11.32	11.23	11.15
Transportation equipment	595.38	598.69	566.69	43.3	43.7	44.1	13.75	13.70	12.85
Instruments and related products	437.38	420.43	394.47	42.3	41.3	40.5	10.34	10.18	9.74
Nondurable Goods[f]	461.58	447.58	435.83	42.0	41.1	41.0	10.99	10.89	10.63
Food and kindred products	449.34	460.22	431.79	41.3	42.3	41.8	10.88	10.88	10.33
Printing and publishing	547.82	523.51	507.05	40.7	39.6	39.8	13.46	13.22	12.74
Chemicals and allied products	530.04	502.90	508.40	41.9	40.2	41.3	12.65	12.51	12.31
Rubber and misc. plastics products	367.25	337.43	334.51	44.3	41.2	41.4	8.29	8.19	8.08
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	582.82	576.63	563.68	41.6	41.1	41.6	14.01	14.03	13.55
WHOLESALE TRADE	353.51	354.24	340.07	38.3	38.8	38.6	9.23	9.13	8.81
RETAIL TRADE[h]	172.76	173.52	165.02	28.0	28.4	28.5	6.17	6.11	5.79
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	256.67	266.70	244.17	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	331.27	331.62	323.61	34.4	34.4	34.5	9.63	9.64	9.38

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1987	August 1987	September 1986
Employment Service Program			
New Applicants	5,295	6,136	4,866
Active File of Job Seekers	32,234	32,376	36,664
Referrals to Jobs	3,029	2,779	3,153
Placements	1,546	999	1,147
Job Openings Received	2,037	2,705	2,811
Job Openings Unfilled	3,526	4,940	6,854
Unemployment Insurance Program			
Initial Claims	3,908	4,387	4,970
Continued Claims	34,617	33,036	35,318
First Payments	1,884	1,817	1,681
Last Payments	674	745	498
Weeks Compensated	27,138	28,423	25,227
Benefits Paid	$4,109,616	$4,297,857	$3,625,454
Average Weekly Payment	$155.27	$154.32	$147.37

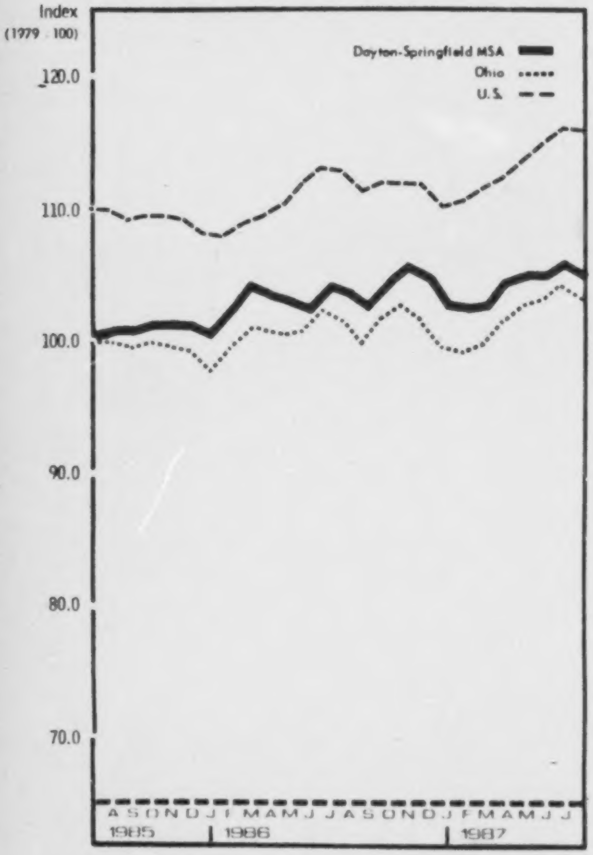
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



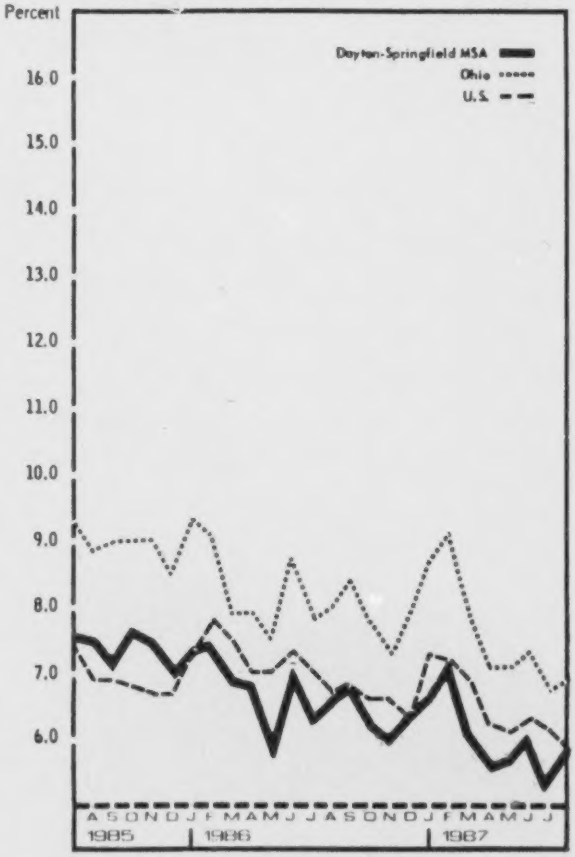
Nonagricultural wage and salary employment in the Dayton-Springfield area, at 437,500, was up 6,000 from August. Most of the gain was in government, as local schools reopened, and in services. Increases in transportation equipment and other durable goods helped advance manufacturing employment 700, to 105,400. Factory production workers had an average workweek of 41.5 hours, down .2 hours from August. Their average hourly earnings dipped fractionally, to $11.81.

Nonfarm payroll employment increased 9,900 from September 1986. Services, construction, and retail trade had the largest gains. Although several industries had greater employment, declines in nonelectrical machinery, rubber and miscellaneous plastics products, and transportation equipment brought manufacturing employment down 1,400 over the year.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



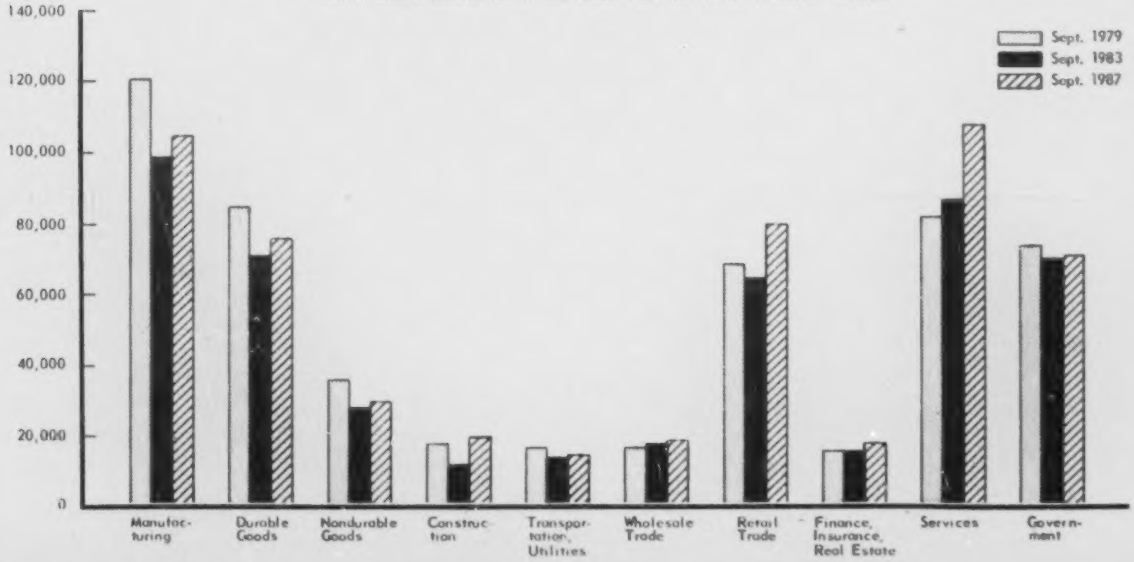
DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
463.0	432.5	30.5	6.6	August	420.6	106.5	68.1	502.25	42.1	11.93
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
462.2	428.7	33.5	7.2	February	423.9	105.1	67.9	505.56	42.2	11.98
457.8	430.1	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85
462.4	436.4	26.0	5.6	April	431.4	105.2	68.0	486.10	41.3	11.77
466.0	439.2	26.7	5.7	May	433.8	104.7	67.5	486.04	41.4	11.74
467.3	439.0	28.4	6.1	June	433.5	104.7	67.3	502.18	42.2	11.90
467.3	442.5	24.8	5.3	July	428.7	104.1	66.1	492.19	41.5	11.86
465.3	438.5	26.8	5.8	August	431.4	104.6	66.7	492.89	41.7	11.82
INA	INA	INA	INA	September	437.5	105.4	67.8	490.12	41.5	11.81

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1987[b]	August 1987[c]	September 1986[c]	From Last Month	From Last Year
TOTAL	437.5	431.4	427.6	6.0	9.9
MANUFACTURING	105.4	104.6	106.8	.7	- 1.4
Durable Goods[e]	75.8	75.2	77.2	.7	- 1.4
Fabricated metal products	8.1	8.2	8.4	.0	- .3
Machinery, except electrical	30.4	30.2	31.6	.2	- 1.2
Metalworking machinery	6.5	6.5	6.9	.1	- .3
General industrial machinery	2.6	2.5	2.6	.1	- .1
Electric and electronic equipment	6.1	6.1	5.7	.0	.4
Electrical industrial apparatus	3.6	3.6	3.3	.0	.3
Transportation equipment	21.4	20.9	22.1	.4	- .8
Nondurable Goods[f]	29.6	29.5	29.6	.1	.0
Food and kindred products	3.2	3.1	2.9	.1	.2
Paper and allied products	6.2	6.1	5.7	.1	.5
Printing and publishing	8.7	8.7	8.5	.0	.2
Rubber and misc. plastics products	7.7	7.8	8.6	- .1	- .9
NONMANUFACTURING[g]	332.1	326.8	320.8	5.3	11.3
CONSTRUCTION	20.1	20.3	17.0	- .1	3.1
TRANSPORTATION AND PUBLIC UTILITIES	15.1	15.2	14.9	.0	.2
Communication, electric, gas services	5.7	5.7	6.1	.0	- .4
WHOLESALE TRADE	19.2	19.1	19.0	.1	.2
Wholesale trade-durable goods	13.3	13.2	12.9	.1	.4
RETAIL TRADE	79.6	79.3	77.1	.3	2.5
General merchandise stores	11.4	11.2	11.6	.1	- .3
FINANCE, INSURANCE, AND REAL ESTATE	18.0	18.2	17.6	- .2	.4
Banking	4.4	4.4	4.3	.0	.1
Credit agencies other than banks	4.6	4.6	4.6	.0	.0
Insurance carriers	2.7	2.7	2.9	.0	- .2
SERVICES	108.1	107.1	103.0	1.0	5.1
Business services	27.2	27.0	24.7	.1	2.4
Health services	36.0	35.9	34.8	.0	1.2
Hospitals	18.5	18.5	18.1	.0	.5
Educational services	6.4	4.4	6.9	2.0	- .5
GOVERNMENT	71.5	67.1	71.8	4.4	- .3
Federal government	28.4	28.3	28.0	.1	.4
State government	6.5	6.4	6.1	.1	.4
State government education[i]	3.6	3.4	3.4	.2	.1
State government, except education	2.9	3.0	2.7	- .1	.3
Local government	36.6	32.4	37.7	4.2	- 1.1
Local government education	21.8	17.3	23.1	4.6	- 1.3
Local government, except education	14.7	15.1	14.6	- .4	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

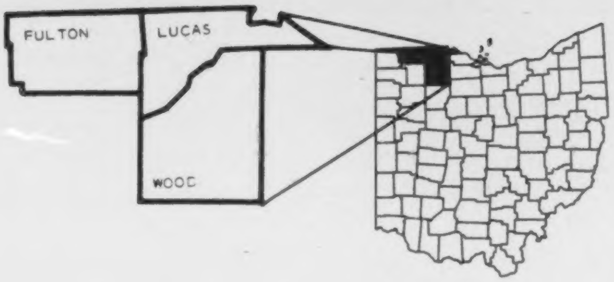
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]
MANUFACTURING	$490.12	$492.89	$516.52	41.5	41.7	42.9	$11.81	$11.82	$12.04
Durable Goods[e]	500.08	501.18	532.16	41.5	41.8	43.3	12.05	11.99	12.29
Fabricated metal products	371.33	379.03	367.54	39.8	40.8	40.3	9.33	9.29	9.12
Machinery, except electrical	541.86	541.45	568.76	42.3	42.4	44.4	12.81	12.77	12.81
Metalworking machinery	532.80	542.39	550.24	44.4	44.9	46.2	12.00	12.08	11.91
General industrial machinery	446.89	453.36	440.79	40.7	41.9	42.1	10.98	10.82	10.47
Electric and electronic equipment	429.87	428.54	402.86	44.5	44.5	43.6	9.66	9.63	9.24
Electrical industrial apparatus	506.69	493.77	487.76	46.4	45.3	45.5	10.92	10.90	10.72
Transportation equipment	588.96	588.55	642.26	41.1	41.1	43.9	14.33	14.32	14.63
Nondurable Goods[f]	460.78	468.23	470.67	41.4	41.4	41.8	11.13	11.31	11.26
Food and kindred products	408.97	365.50	335.37	46.9	43.0	40.7	8.72	8.50	8.24
Paper and allied products	501.73	499.32	465.30	46.2	45.6	45.0	10.86	10.95	10.34
Printing and publishing	452.48	435.57	423.60	40.4	39.1	39.7	11.20	11.14	10.67
Rubber and misc. plastics products	513.28	558.18	584.44	36.9	39.7	41.1	13.91	14.06	14.22
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	548.37	545.40	531.15	40.5	40.4	40.3	13.54	13.50	13.18
WHOLESALE TRADE	431.95	422.18	391.38	42.1	41.8	40.1	10.26	10.10	9.76
RETAIL TRADE[h]	163.02	160.43	160.37	28.6	28.7	29.0	5.70	5.59	5.53
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	362.82	363.55	339.97	34.1	34.2	33.2	10.64	10.63	10.24

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1987	August 1987	September 1986
Employment Service Program			
New Applicants	2,525	2,551	2,614
Active File of Job Seekers	19,167	21,533	25,318
Referrals to Jobs	1,347	1,291	1,232
Placements	288	370	259
Job Openings Received	822	988	1,215
Job Openings Unfilled	2,163	1,930	1,644
Unemployment Insurance Program			
Initial Claims	2,695	7,739	3,044
Continued Claims	21,110	27,301	22,825
First Payments	1,299	1,957	1,319
Last Payments	335	432	417
Weeks Compensated	17,303	20,095	17,290
Benefits Paid	$2,400,425	$2,790,387	$2,344,041
Average Weekly Payment	$141.73	$141.68	$138.80

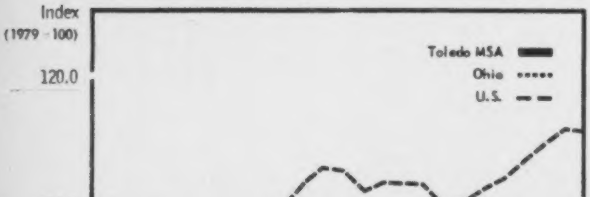
TOLEDO
METROPOLITAN STATISTICAL AREA



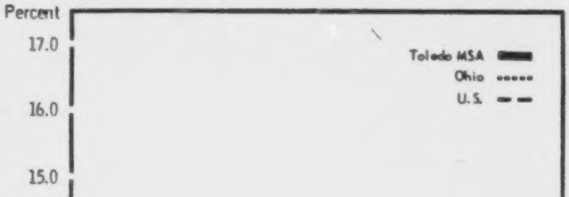
The Toledo MSA nonagricultural payroll employment was up 5,900 from August, to 288,800 in September. The return of personnel to state and local schools and colleges accounted for most of the increase. Scattered gains in most durable-goods industries helped boost manufacturing employment 500, to 63,200. Production workers in manufacturing earned an average of $12.68 per hour in September, up $.07 from August. Their average workweek rose .2 hours, to 42.6 hours.

Increases in services, especially health and business services, retail trade, and construction were responsible for raising the nonfarm wage and salary employment in the Toledo area 11,600 from the September 1986 level. Manufacturing employment declined 1,300 due to losses in stone, clay, and glass products, fabricated metal products, and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

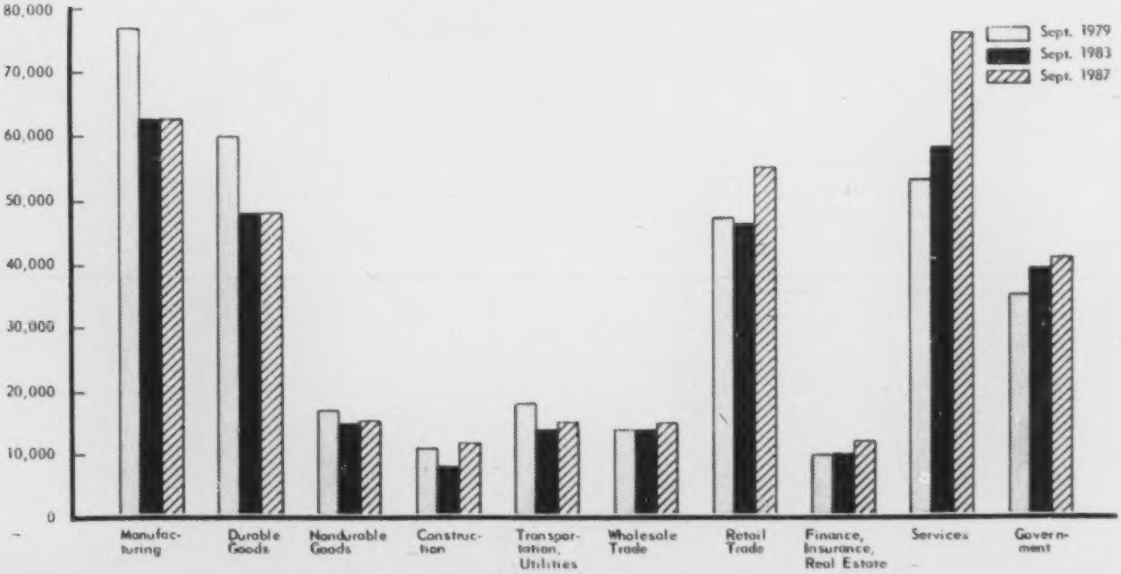


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
308.2	281.2	26.9	8.7	August	271.5	64.1	44.7	519.90	42.2	12.32
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
307.3	282.9	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
310.9	287.9	23.0	7.4	April	282.7	62.3	44.0	537.21	42.4	12.67
314.0	291.1	22.8	7.3	May	285.6	62.0	43.5	532.55	41.9	12.71
313.7	289.3	24.4	7.8	June	283.8	62.2	43.6	529.19	41.8	12.66
315.4	293.4	22.0	7.0	July	282.3	61.7	43.0	523.27	41.3	12.67
313.0	290.7	22.4	7.1	August	282.9	62.7	44.0	534.66	42.4	12.61
INA	INA	INA	INA	September	288.8	63.2	44.4	540.17	42.6	12.68

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1987[b]	August 1987[c]	September 1986[c]	From Last Month	From Last Year
TOTAL	288.8	282.9	277.3	5.9	11.6
MANUFACTURING	63.2	62.7	64.5	.5	-1.3
Durable Goods[e]	48.2	47.7	49.6	.5	-1.4
Stone, clay, and glass products	8.0	7.9	8.7	.1	-.7
Primary metal industries	3.2	3.1	3.3	.1	-.1
Fabricated metal products	7.2	7.2	7.6	.1	-.4
Metal forgings and stampings	3.1	3.0	3.2	.1	-.1
Machinery, except electrical	6.3	6.2	6.1	.1	.2
Electric and electronic equipment	2.7	2.7	3.0	.1	-.3
Transportation equipment	16.3	16.2	16.4	.1	-.2
Motor vehicles and equipment	15.4	15.3	15.4	.1	-.1
Nondurable Goods[f]	15.0	15.0	15.0	.0	.1
Food and kindred products	4.4	4.5	4.2	-.2	.1
Rubber and misc. plastics products	3.2	3.0	3.2	.1	.0
NONMANUFACTURING[g]	225.6	220.3	212.7	5.3	12.9
CONSTRUCTION	12.0	11.8	10.9	.2	1.2
TRANSPORTATION AND PUBLIC UTILITIES	14.9	14.9	14.3	.1	.6
Trucking and warehousing	5.9	5.9	5.5	.1	.4
Communication, electric, gas services	5.1	5.1	5.1	.0	.0
WHOLESALE TRADE	14.7	14.9	14.5	-.2	.2
Wholesale trade-durable goods	9.7	9.8	9.7	-.1	.0
RETAIL TRADE	55.4	55.0	52.7	.3	2.6
General merchandise stores	7.2	7.1	7.1	.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	11.7	11.7	11.2	.0	.5
Banking	3.6	3.6	3.5	.0	.1
SERVICES	75.7	75.6	68.2	.1	7.5
Business services	15.1	15.1	13.2	.0	1.9
Health services	29.9	29.9	26.1	.0	3.7
Hospitals	15.5	15.6	14.9	-.1	.7
GOVERNMENT	41.0	36.2	40.6	4.8	.4
State government	14.5	11.6	14.4	2.9	.1
State government education[i]	10.3	7.4	10.4	3.0	-.1
State government, except education	4.2	4.2	4.0	-.1	.1
Local government	23.9	22.0	23.6	1.9	.3
Local government education	13.6	11.3	13.3	2.4	.4
Local government, except education	10.3	10.7	10.3	-.4	-.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]
MANUFACTURING	$540.17	$534.66	$524.36	42.6	42.4	42.7	$12.68	$12.61	$12.28
Durable Goods[e]	564.07	562.36	555.56	42.7	42.7	43.1	13.21	13.17	12.89
Stone, clay, and glass products	507.58	485.56	543.42	41.2	39.8	43.3	12.32	12.20	12.55
Primary metal industries	448.67	464.62	518.85	40.9	42.2	45.0	10.97	11.01	11.53
Fabricated metal products	540.16	529.19	531.36	42.7	42.2	43.2	12.65	12.54	12.30
Metal forgings and stampings	675.42	662.63	605.93	45.3	45.2	44.1	14.91	14.66	13.74
Machinery, except electrical	490.89	485.41	463.84	42.1	42.1	41.6	11.66	11.53	11.15
Electric and electronic equipment	512.89	503.85	574.60	40.9	40.6	44.2	12.54	12.41	13.00
Transportation equipment	683.77	688.20	646.72	44.2	44.4	43.0	15.47	15.50	15.04
Motor vehicles and equipment	684.43	691.75	649.73	44.1	44.4	43.0	15.52	15.58	15.11
Nondurable Goods[f]	463.19	446.13	431.60	42.3	41.5	41.5	10.95	10.75	10.40
Food and kindred products	497.57	497.31	484.34	42.6	43.7	42.9	11.68	11.38	11.29
Rubber and misc. plastics products	353.50	318.39	313.23	42.9	39.7	39.7	8.24	8.02	7.89
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	615.92	607.57	637.87	42.1	41.7	43.9	14.63	14.57	14.53
WHOLESALE TRADE	357.20	356.25	352.36	37.6	37.5	38.3	9.50	9.50	9.20
RETAIL TRADE[h]	164.02	163.94	156.85	29.5	29.7	29.1	5.56	5.52	5.39

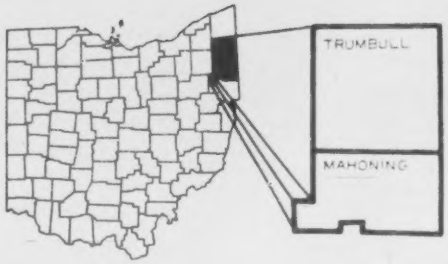
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1987	August 1987	September 1986
Employment Service Program			
New Applicants	2,173	1,618	2,890
Active File of Job Seekers	12,890	17,277	25,421
Referrals to Jobs	1,406	1,409	2,306
Placements	748	637	1,371
Job Openings Received	974	703	1,911
Job Openings Unfilled	1,110	1,584	1,304
Unemployment Insurance Program			
Initial Claims	3,237	3,140	3,121
Continued Claims	21,784	22,663	23,955
First Payments	857	1,208	899
Last Payments	325	334	490
Weeks Compensated	16,266	17,238	17,432
Benefits Paid	$2,316,646	$2,413,759	$2,544,866
Average Weekly Payment	$145.41	$142.95*	$149.62

*Revised

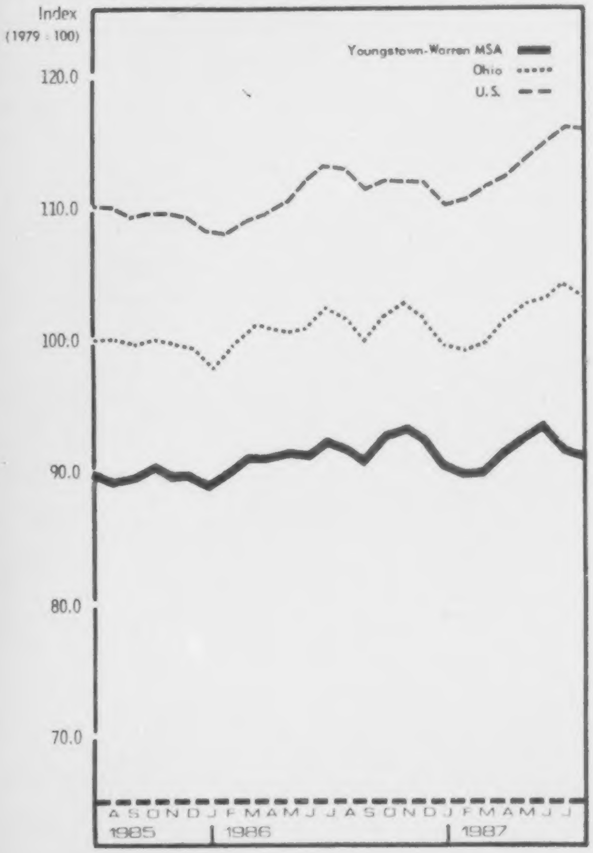
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



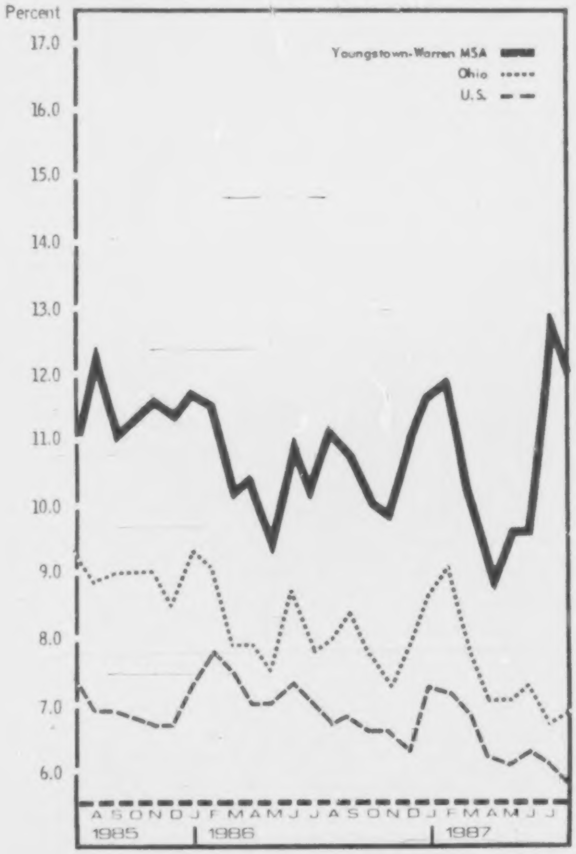
Nonagricultural wage and salary employment in the Youngstown-Warren area, at 195,700 in September, was up 6,400 from August. Gains in transportation equipment and primary metal industries raised manufacturing employment 4,800, to 52,500 in September. Local government education and services also showed significant increases. The average hourly earnings of manufacturing production workers rose $.60 from August, to $13.64 in September. Their average workweek of 43.6 hours was 1.5 hours longer.

Since September 1986, nonfarm salary employment has gone up 4,600. Nearly all of the increase has been in nonmanufacturing, with construction, services, and retail trade having the most substantial gains. Increases in primary metal industries and fabricated metal products were mostly offset by losses in other durable-goods industries, raising manufacturing employment 200 over the year.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

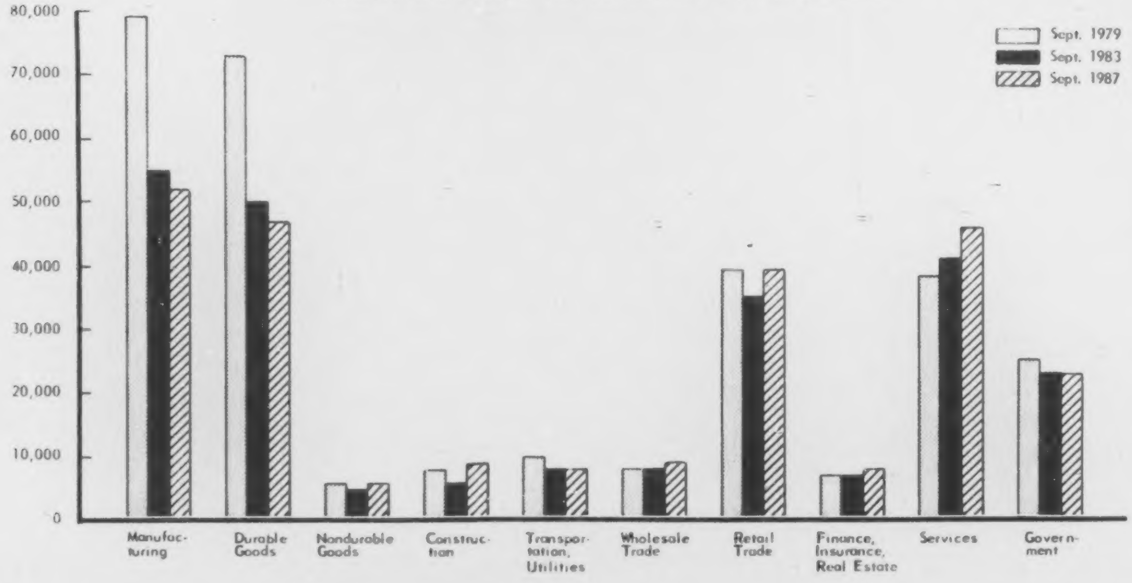


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
226.7	201.4	25.2	11.1	August	187.8	51.5	38.5	541.03	41.3	13.10
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.5	198.1	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
221.0	201.7	19.3	8.7	April	191.3	51.6	38.9	571.94	43.1	13.27
225.5	204.0	21.6	9.6	May	193.3	50.9	38.2	565.78	42.7	13.25
227.2	205.5	21.8	9.6	June	194.8	51.1	38.3	566.67	42.8	13.24
231.2	201.4	29.8	12.9	July	187.2	45.5	32.8	541.80	42.0	12.90
227.8	200.5	27.3	12.0	August	189.3	47.7	35.1	548.98	42.1	13.04
INA	INA	INA	INA	September	195.7	52.5	39.5	594.70	43.6	13.64

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1987[b]	August 1987[c]	September 1986[c]	From Last Month	From Last Year
TOTAL	195.7	189.3	191.1	6.4	4.6
MANUFACTURING	52.5	47.7	52.3	4.8	.2
Durable Goods[e]	46.9	42.3	46.8	4.6	.1
Primary metal industries	20.4	19.6	19.9	.8	.4
Blast furnace and basic steel products	6.7	6.7	6.3	.0	.4
Fabricated metal products	7.8	7.7	7.5	.1	.2
Machinery, except electrical	3.4	3.4	3.7	.0	-.3
Electric and electronic equipment	2.2	2.3	2.4	.0	-.2
Transportation equipment	9.8	6.0	10.0	3.8	-.2
Nondurable Goods[f]	5.6	5.4	5.5	.2	.0
NONMANUFACTURING[g]	143.3	141.6	138.8	1.6	4.5
CONSTRUCTION	9.2	9.4	7.8	-.2	1.4
TRANSPORTATION AND PUBLIC UTILITIES	8.2	8.1	8.0	.1	.2
Communication, electric, gas services	3.1	3.1	3.2	.0	-.1
WHOLESALE TRADE	9.5	9.5	9.1	.0	.4
Wholesale trade-durable goods	6.0	6.0	5.9	.0	.1
RETAIL TRADE	38.6	38.6	37.6	.0	1.0
General merchandise stores	5.5	5.6	5.6	-.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	8.5	8.5	8.1	.0	.4
Banking	2.8	2.8	2.8	.0	.0
SERVICES	45.7	45.2	44.6	.5	1.1
Health services	20.1	20.2	19.4	.0	.7
Hospitals	10.4	10.4	10.5	.0	-.1
GOVERNMENT	22.9	21.6	23.0	1.3	-.1
State government	3.3	3.3	3.2	-.1	.1
State government education[i]	1.7	1.7	1.7	.0	.1
State government, except education	1.5	1.6	1.5	-.1	.0
Local government	17.6	16.2	17.8	1.4	-.2
Local government education	11.1	9.6	11.2	1.4	-.2
Local government, except education	6.5	6.6	6.5	.0	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]	Sept. 1987[b]	Aug. 1987[c]	Sept. 1986[c]
MANUFACTURING	$594.70	$548.98	$557.69	43.6	42.1	41.9	$13.64	$13.04	$13.31
Durable Goods[e]	611.53	563.86	577.30	43.9	42.3	42.2	13.93	13.33	13.68
Primary metal industries	666.45	624.52	598.23	45.0	43.1	41.4	14.81	14.49	14.45
Blast furnace and basic steel products	635.25	620.14	624.55	46.2	45.2	42.4	13.75	13.72	14.73
Fabricated metal products	520.80	512.40	538.74	40.0	40.0	41.0	13.02	12.81	13.14
Machinery, except electrical	469.74	482.98	461.95	40.6	41.6	40.7	11.57	11.61	11.35
Electric and electronic equipment	421.09	431.82	429.07	37.8	39.4	40.1	11.14	10.96	10.70
Transportation equipment	709.96	618.87	683.09	46.8	44.3	45.6	15.17	13.97	14.98
Nondurable Goods[f]	431.39	412.23	365.66	41.4	40.1	38.9	10.42	10.28	9.40
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services ..	557.03	557.03	533.68	40.6	40.6	40.4	13.72	13.72	13.21
WHOLESALE TRADE	341.71	334.88	329.84	37.8	37.5	38.0	9.04	8.93	8.68
RETAIL TRADE[h]	174.04	173.75	167.24	29.3	29.3	29.6	5.94	5.93	5.65

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1987	August 1987	September 1986
Employment Service Program			
New Applicants	2,067	2,362	2,575
Active File of Job Seekers	17,771	18,953	31,857
Referrals to Jobs	1,670	1,919	1,477
Placements	261	876	473
Job Openings Received	615	984	657
Job Openings Unfilled	897	630	664
Unemployment Insurance Program			
Initial Claims	3,170	3,292	3,681
Continued Claims	18,294	31,835	19,401
First Payments	973	4,750	1,023
Last Payments	309	328	326
Weeks Compensated	15,007	28,527	15,956
Benefits Paid	$2,025,944	$4,660,409	$2,184,907
Average Weekly Payment	$139.90	$165.94	$142.24

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	September 1987	August 1987	September 1986
New Applicants	40,724	40,304	48,712
Active File of Job Seekers	270,888	288,038	397,875
Counseling Interviews	1,073	1,243	1,800
Tests Administered	3,584	2,897	2,903
General Aptitude Tests	146	369	179
Proficiency Tests	495	556	739
Specific Aptitude Tests	891	517	300
Referrals to Jobs	26,887	28,897	29,775
Placements	7,808	9,417	14,672
Job Openings Received	14,037	16,847	21,545
Job Openings Unfilled	24,185	25,903	28,778

Selected Unemployment Insurance Activities

	September 1987	August 1987	September 1986
Initial Claims	43,944	53,967	62,981
Continued Claims	338,667	362,485	408,594
First Payments	17,634	24,915	18,696
Last Payments	5,642	6,340	7,224
Average Weekly Claimants	74,932	89,491	92,434
Average Weekly Benefit Recipients	60,664	71,759	73,029
Weeks Compensated	262,226	295,614	296,186
Benefits Paid	$37,742,851	$43,051,073	$42,933,166
Average Weekly Payment	$147.53	$148.81	$148.77
Continued Claims for Survey Week	76,033	83,063	90,358
Insured Unemployment Rate	1.8	2.1	2.2
Net Contributions	$5,135,115	$161,295,796	$4,977,117
Active Employer Accounts	196,665	195,513	193,539

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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Ohio
Labor
Market
Information

Labor Market Review

October 1987

Summary. Ohio's seasonally adjusted unemployment rate rose from 5.5 percent in September, to 5.8 percent in October. The national rate increased slightly, to 6.0 percent. Total employment in Ohio, at 4,876,000, was up 11,000 from September. There were 300,000 jobless Ohioans in October, up 17,000 from the previous month. Seasonally adjusted nonagricultural payroll employment in Ohio advanced 10,000 from September, to 4,608,000. (See page 3.)

Factory Employment. Following two consecutive months of improvement, manufacturing employment in Ohio declined 2,000 from September, to 1,091,000 in October. Employment in durable-goods industries, at 733,000, was down 3,000 from September. Nondurable-goods employment increased 2,000, to 358,000.

Nonmanufacturing. Nonmanufacturing employment in Ohio totaled 3,516,000, up 11,000 from September. The largest increases were in services and government, up 4,000 and 3,000, respectively. Construction rose 2,000, while wholesale trade, retail trade, and finance, insurance, and real estate each gained 1,000. Employment in mining and transportation and public utilities was unchanged from September.

Over the Year. Total employment in Ohio advanced 66,000 from October 1986 to October 1987. The unemployment rate fell from 7.7 percent to 5.8 percent during the same period, as the number of unemployed declined 104,000. For the U.S., the unemployment rate dropped from 6.9 percent to 6.0 percent. Nonfarm wage and salary employment increased 111,000 since October 1986. The largest gains were in services (+55,000) and retail trade (+25,000). All other nonmanufacturing divisions had small-to-moderate increases except mining, which was down 1,000. Manufacturing employment fell 3,000 over the year as a loss of 6,000 in durable goods was partially offset by a gain of 3,000 in nondurable goods.

Factory Hours and Earnings. Factory production workers in Ohio's manufacturing industries had average weekly earnings of $505.79 in October, up $5.67 from September. Their average workweek increased .3 hours, to 42.9 hours. Increased overtime raised earnings in motor vehicles and equipment, miscellaneous plastics products, and metal forgings and stampings. Blast furnace and basic steel products and nonferrous rolling and drawing mills had lower earnings due to reduced overtime.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 47,415 in October, up 7.9 percent from September, but down 25.9 percent from October 1986. The amount of benefits paid rose 8.0 percent, to $40.8 million. The average weekly benefit check of $151.00 was $3.47 higher than in September. There was a 2.2 percent decrease in the average weekly number of benefit recipients, to 59,312. At the end of October, there were 197,506 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

Employment Service. The Ohio Bureau of Employment Services helped 45,283 new job applicants in October, up 11.2 percent from September, but down 4.5 percent from October 1986. Job openings received from employers increased 9.3 percent from September, to 15,342. The Employment Services Division made 31,324 referrals to jobs with 9,231 placements.

The U.S. Department of Labor has designated Labor Surplus Areas for the period October 1, 1987 through September 30, 1988.

See pages 14 and 15 for listings of cities and counties.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Oct. 1987	Sep. 1987	Oct. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,176	5,148	5,214	28	-38	0.5	-0.7
Employment	4,876	4,865	4,810	11	66	0.2	1.4
Unemployment	300	283	404	17	-104	6.0	-25.7
Unemployment Rate	5.8	5.5	7.7				
Employer Survey Data[e]							
Total	4,608	4,598	4,497	10	111	0.2	2.5
Manufacturing	1,091	1,093	1,094	-2	-3	-0.2	-0.3
Durable Goods	733	736	739	-3	-6	-0.5	-0.9
Nondurable Goods	358	357	355	2	3	0.5	0.9
Nonmanufacturing	3,516	3,505	3,402	11	114	0.3	3.3
Mining	20	20	22	0	-1	-0.5	-6.0
Construction	177	175	162	2	14	0.9	8.7
Transportation and Public Utilities	210	210	209	0	1	-0.1	0.4
Wholesale Trade	253	251	247	1	5	0.5	2.1
Retail Trade	857	856	831	1	25	0.1	3.1
Finance, Insurance, and Real Estate	245	244	236	1	10	0.3	4.1
Services	1,068	1,063	1,013	4	55	0.4	5.4
Government	688	685	682	3	5	0.4	0.8
Goods Producing Industries[f]	1,288	1,288	1,278	0	10	-0.0	0.8
Service Producing Industries[g]	3,320	3,310	3,218	10	101	0.3	3.1

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	US				Durable	Nondurable
					1985				
5,172	4,707	465	9.0	7.1	October	4,398	1,117	762	356
5,192	4,727	465	9.0	7.0	November	4,410	1,120	763	357
5,185	4,754	431	8.3	7.0	December	4,422	1,123	766	357
					1986				
5,218	4,759	459	8.8	6.8	January	4,438	1,124	767	357
5,325	4,869	456	8.6	7.2	February	4,440	1,122	764	357
5,297	4,896	401	7.6	7.2	March	4,440	1,117	760	356
5,248	4,823	425	8.1	7.1	April	4,459	1,117	761	356
5,214	4,784	430	8.2	7.2	May	4,464	1,112	756	356
5,204	4,752	452	8.7	7.1	June	4,466	1,111	755	356
5,204	4,777	427	8.2	7.0	July	4,472	1,103	749	354
5,185	4,763	422	8.1	6.8	August	4,484	1,103	748	355
5,163	4,734	429	8.3	7.0	September	4,488	1,100	744	355
5,214	4,810	404	7.7	6.9	October	4,497	1,094	739	355
5,264	4,875	389	7.4	6.9	November	4,517	1,103	747	356
5,276	4,861	415	7.9	6.7	December	4,532	1,106	750	356
					1987				
5,287	4,850	437	8.3	6.7	January	4,556	1,106	748	358
5,303	4,848	455	8.6	6.7	February	4,564	1,108	750	358
5,215	4,824	391	7.5	6.6	March	4,563	1,099	741	357
5,223	4,846	377	7.2	6.3	April	4,570	1,098	741	357
5,294	4,878	416	7.9	6.3	May	4,572	1,091	735	356
5,237	4,859	378	7.2	6.1	June	4,567	1,084	731	354
5,240	4,868	372	7.1	6.0	July	4,569	1,076	722	354
5,205	4,841	364	7.0	6.0	August	4,587	1,088	731	357
5,148	4,865	283	5.5	5.9	September	4,598	1,093	736	357
5,176	4,876	300	5.8	6.0	October	4,608	1,091	733	358

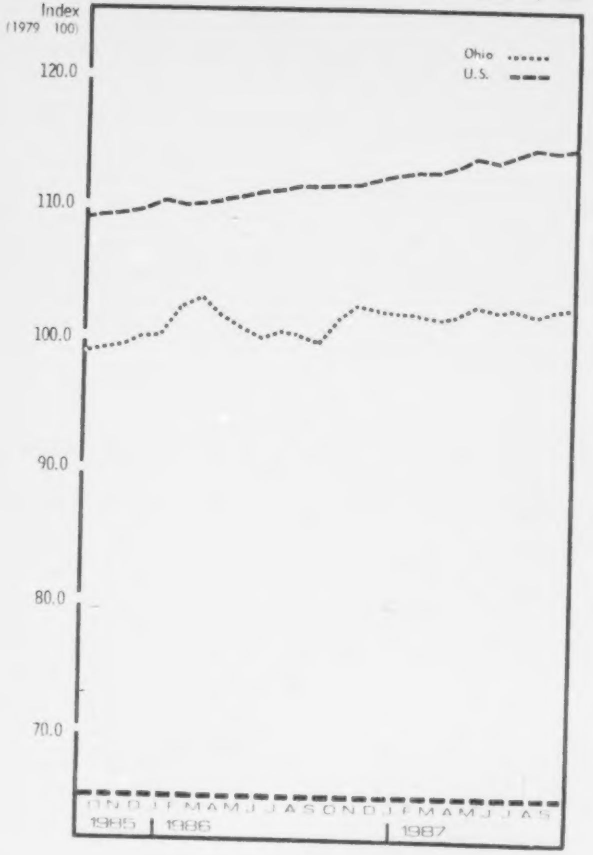
Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

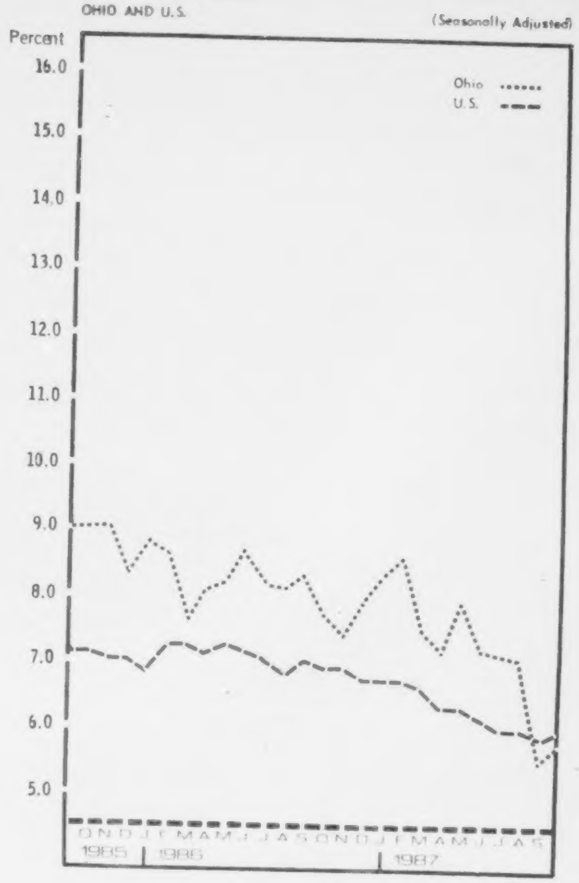
Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1985				
3,280	25	156	202	244	October	798	223	962	670
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,414	22	164	210	247	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,465	21	170	210	249	March	845	240	1040	688
3,472	21	171	211	249	April	846	242	1045	688
3,481	21	173	211	250	May	847	242	1050	689
3,483	20	174	210	249	June	847	242	1052	689
3,493	20	174	210	250	July	850	243	1060	686
3,500	20	175	210	250	August	853	244	1062	686
3,505	20	175	210	251	September	856	244	1063	685
3,516	20	177	210	253	October	857	245	1068	688

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.

INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.

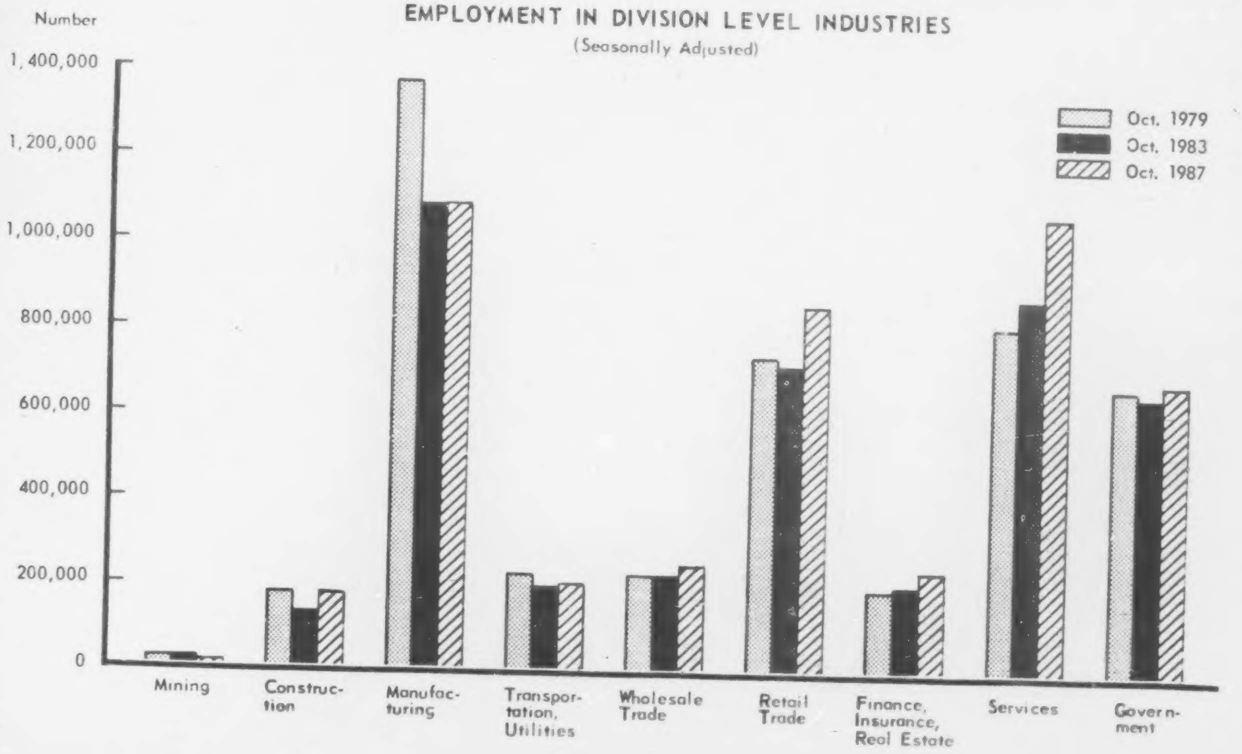


UNEMPLOYMENT RATES
OHIO AND U.S.



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	U.S.			Manufacturing	Durable	Nondurable
4,751	4,380	370	7.8	7.7	1976	4,094.6	1,295.3	910.6	384.6
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,139	4,684	456	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.6
5,234	4,809	426	8.1	7.0	1986	4,475.2	1,109.3	753.2	356.1
					1986				
5,263	4,855	408	7.8	6.6	October	4,546.2	1,098.4	741.5	356.9
5,282	4,894	388	7.3	6.6	November	4,563.9	1,105.8	749.1	356.7
5,259	4,841	418	7.9	6.3	December	4,569.4	1,106.3	749.6	356.7
					1987				
5,196	4,744	452	8.7	7.3	January	4,466.2	1,095.7	741.2	354.5
5,205	4,732	473	9.1	7.2	February	4,467.2	1,096.0	742.4	353.6
5,154	4,749	405	7.9	6.9	March	4,492.3	1,092.1	738.4	353.6
5,205	4,837	367	7.1	6.2	April	4,556.9	1,094.4	740.1	354.3
5,264	4,892	372	7.1	6.1	May	4,600.3	1,091.0	736.4	354.6
5,293	4,909	384	7.3	6.3	June	4,614.8	1,091.8	736.4	355.4
5,325	4,967	358	6.7	6.1	July	4,576.6	1,078.8	723.4	355.3
5,272	4,908	364	6.9	5.8	August	4,595.4	1,092.0	731.6	360.4
5,171	4,885	287	5.5	5.7	September	4,644.3	1,102.8	740.1	362.8
5,221	4,920	301	5.8	5.7	October	4,658.7	1,094.6	734.5	360.1

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.8	998.8	679.8
					1986				
3,447.7	22.0	180.3	211.4	248.2	October	839.5	235.4	1,019.1	691.8
3,458.0	22.1	174.2	211.1	248.9	November	850.9	236.0	1,018.7	696.1
3,463.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	236.6	1,006.1	688.8
3,371.2	20.7	139.6	205.8	246.1	February	810.4	237.4	1,014.1	697.2
3,400.3	20.5	145.6	206.6	246.9	March	817.0	238.3	1,023.5	701.9
3,462.5	20.3	160.7	209.4	248.5	April	835.5	240.4	1,047.5	700.1
3,509.3	20.4	173.8	210.8	249.8	May	848.4	242.0	1,059.5	704.6
3,523.0	20.4	182.5	211.9	251.4	June	854.6	244.3	1,069.9	688.0
3,497.9	20.6	190.8	212.1	251.6	July	855.9	246.3	1,072.8	647.8
3,503.4	20.6	194.8	212.5	252.0	August	861.2	246.8	1,073.2	642.2
3,541.4	20.9	194.4	212.8	252.2	September	864.2	245.7	1,078.2	673.2
3,564.1	20.7	196.0	212.5	253.4	October	865.2	245.0	1,074.1	697.2

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Production Workers in Manufacturing

Manufacturing	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,295.3	910.6	384.6	1976	926.1	233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.3	753.2	356.1	1986	758.0	368.9	31.9
			1986			
1,098.4	741.5	356.9	October	746.3	360.9	31.3
1,105.8	749.1	356.7	November	755.2	375.4	32.2
1,106.3	749.6	356.7	December	755.4	383.8	32.6
			1987			
1,095.7	741.2	354.6	January	746.3	375.1	31.9
1,096.0	742.4	353.6	February	747.3	373.0	31.7
1,092.1	738.4	353.6	March	744.9	371.4	31.7
1,094.4	740.1	354.3	April	748.5	369.0	31.5
1,091.0	736.4	354.5	May	745.2	370.9	31.7
1,091.8	736.4	355.4	June	745.5	371.6	31.8
1,078.8	723.4	355.3	July	731.6	355.0	30.7
1,092.0	731.6	360.4	August	745.4	367.0	31.5
1,102.8	740.1	362.8	September	756.7	378.4	32.2
1,094.6	734.5	360.1	October	749.7	379.2	32.2

Production Workers Average Weekly Earnings

Production Workers Average Weekly Hours

Production Workers Average Hourly Earnings

Weekly Earnings: Manufacturing	Durable Goods	Nondurable Goods		Weekly Hours: Manufacturing	Durable Goods	Nondurable Goods		Hourly Earnings: Manufacturing	Durable Goods	Nondurable Goods
$252.54	$258.75	$235.00	1976	41.2	41.4	41.3	1976	$6.10	$6.25	$5.69
283.08	292.02	258.34	1977	42.0	42.2	41.4	1977	6.74	6.92	6.24
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
			1986				1986			
483.53	502.25	444.52	October	41.9	42.1	41.7	October	11.54	11.93	10.66
497.14	517.80	449.40	November	42.6	42.9	42.0	November	11.67	12.07	10.70
508.15	531.14	454.92	December	43.1	43.5	42.2	December	11.79	12.21	10.78
			1987				1987			
502.58	524.96	449.53	January	42.7	43.1	41.7	January	11.77	12.18	10.78
499.05	520.88	446.71	February	42.4	42.8	41.4	February	11.77	12.17	10.79
498.53	519.95	448.86	March	42.5	42.9	41.6	March	11.73	12.12	10.79
492.99	514.25	443.72	April	42.1	42.5	41.2	April	11.71	12.10	10.77
497.68	517.45	450.78	May	42.5	42.8	41.7	May	11.71	12.09	10.81
498.42	517.37	453.95	June	42.6	42.9	41.8	June	11.70	12.06	10.86
485.20	501.76	450.02	July	41.9	42.2	41.4	July	11.58	11.89	10.87
492.37	510.00	453.36	August	42.3	42.5	41.9	August	11.64	12.00	10.82
500.12	516.67	461.92	September	42.6	42.7	42.3	September	11.74	12.10	10.92
505.79	523.67	462.34	October	42.9	43.1	42.3	October	11.79	12.15	10.93

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

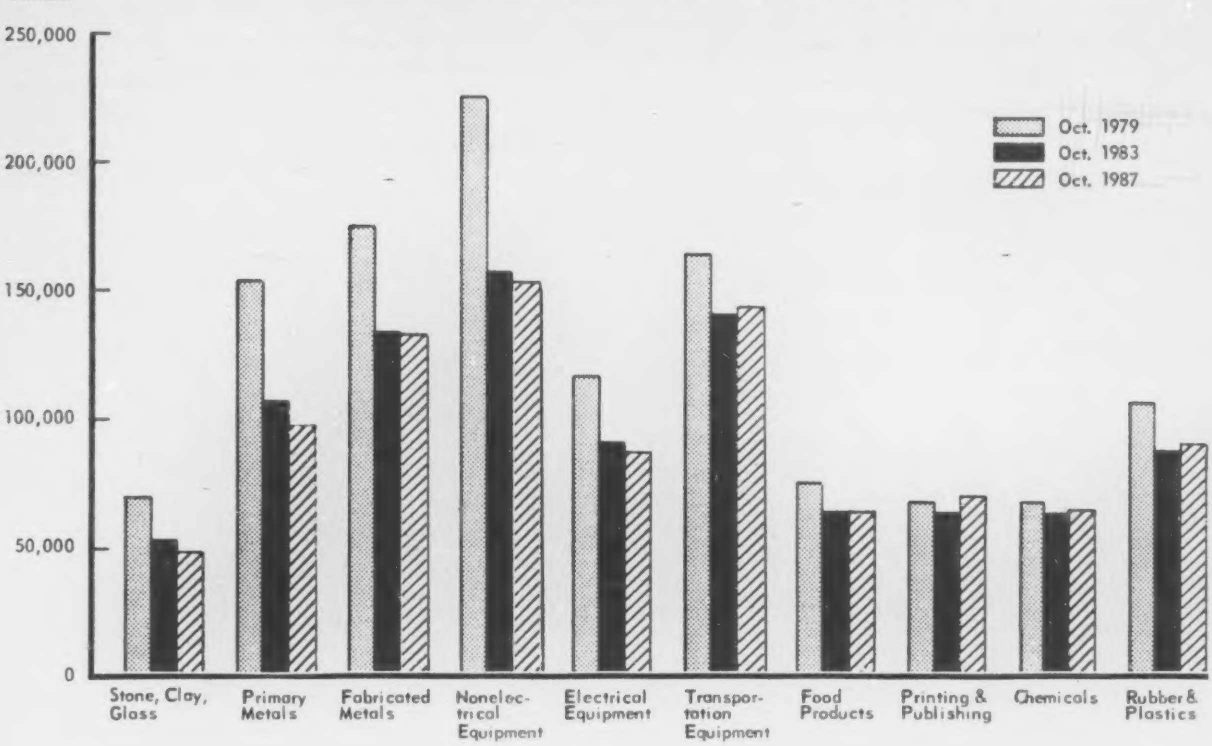
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
66.3	154.6	157.9	1976	205.9	115.5	143.0	1976	73.8	64.5	98.2
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.4	95.4	136.8	1986	158.7	89.8	153.5	1986	62.6	68.6	91.5
			1986				1986			
48.6	90.9	136.0	October	152.7	90.1	152.5	October	63.1	69.4	90.6
49.2	93.6	136.3	November	156.0	90.2	153.8	November	62.4	69.4	90.9
49.0	94.1	136.0	December	156.1	90.2	154.4	December	62.7	69.1	91.3
			1987				1987			
47.8	93.8	134.3	January	155.0	90.6	151.7	January	62.0	68.8	91.3
47.9	95.5	133.5	February	154.1	89.8	153.6	February	61.5	69.1	90.8
47.7	96.7	133.3	March	153.8	89.0	148.9	March	61.5	69.1	90.4
48.0	96.7	132.5	April	153.5	88.0	151.6	April	62.2	69.3	89.8
48.2	95.5	131.8	May	153.2	87.3	150.3	May	62.7	69.3	88.9
48.4	95.9	133.2	June	153.6	87.5	147.1	June	62.7	69.3	88.8
47.8	94.4	130.4	July	151.7	87.6	140.7	July	63.2	69.8	88.0
48.3	96.2	131.6	August	152.2	87.0	144.2	August	66.9	70.1	88.8
48.3	98.2	133.3	September	153.5	88.1	146.1	September	67.5	70.0	89.8
48.0	98.1	132.9	October	152.6	86.9	143.3	October	64.2	70.3	90.4

Average Weekly Earnings of Production Workers

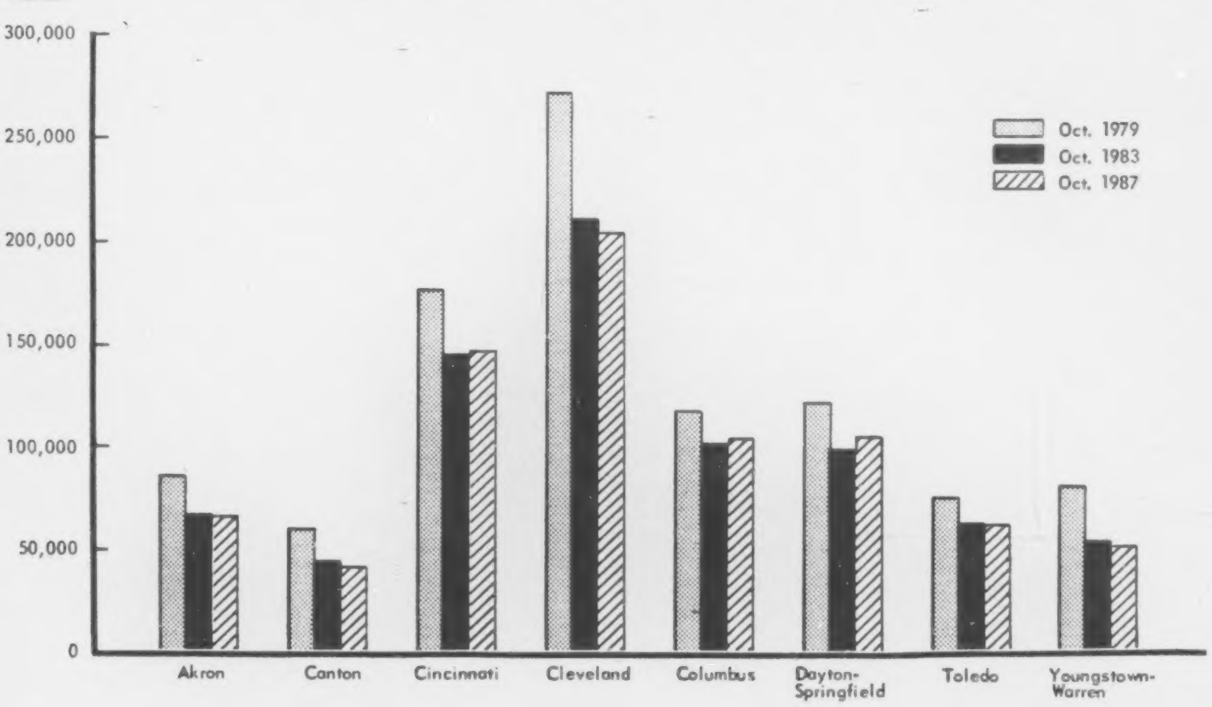
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$232.40	$294.58	$256.68	1976	$253.31	$221.54	$302.87	1976	$242.92	$252.20	$237.30
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
			1986				1986			
447.44	563.50	488.36	October	482.58	456.77	610.76	October	426.72	418.95	443.23
442.08	583.73	503.01	November	492.33	471.33	646.46	November	423.85	429.37	447.38
441.00	596.23	515.70	December	510.82	489.89	656.48	December	436.77	429.46	444.19
			1987				1987			
441.31	593.61	515.91	January	498.53	473.61	647.91	January	438.46	416.96	443.59
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.12	608.34	498.62	October	510.56	467.87	650.90	October	436.18	439.24	459.02

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1987[b]	September 1987[c]	October 1986[c]	From Last Month	From Last Year
TOTAL	4658.7	4644.3	4546.2	14.5	112.6
MANUFACTURING	1094.6	1102.8	1098.4	- 8.3	- 3.8
Durable Goods[e]	734.5	740.1	741.5	- 5.6	- 7.1
Lumber and wood products	20.9	20.6	19.0	.3	1.9
Furniture and fixtures	14.8	15.1	14.3	- .2	.5
Stone, clay, and glass products	48.0	48.3	48.6	- .3	- .6
Glass and glassware, pressed or blown.	10.1	10.2	9.6[j]	- .1	.4
Primary metal industries	98.1	98.2	90.9	- .1	7.1
Blast furnace and basic steel products	45.2	45.1	40.0	.0	5.2
Iron and steel foundries	19.7	19.7	19.3	.0	.4
Nonferrous rolling and drawing	17.9	18.1	17.8	- .2	.1
Fabricated metal products	132.9	133.3	136.0	- .4	- 3.1
Cutlery, hand tools, and hardware	10.1	10.0	10.1	.1	.0
Fabricated structural metal products	28.4	28.8	29.4	- .4	- 1.0
Metal forgings and stampings	41.4	41.4	43.0	- .1	- 1.6
Machinery, except electrical	152.6	153.5	152.7	- 1.0	- .1
Construction and related machinery	11.8	11.9	12.5	.0	- .7
Metalworking machinery	38.3	38.9	40.9	- .6	- 2.6
Special industry machinery	16.5	16.8	16.9	- .3	- .4
General industrial machinery	26.4	26.4	23.7	.0	2.8
Office and computing machines	13.7	13.7	13.6	- .1	.1
Refrigeration and service machinery	16.9	17.1	16.4	- .2	.5
Electric and electronic equipment	86.9	88.1	90.1	- 1.2	- 3.2
Electrical industrial apparatus	16.7	16.9	16.9	- .2	- .2
Household appliances	16.7	17.0	17.3	- .4	- .6
Electric lighting and wiring equipment	17.2	17.2	17.8	.0	- .6
Communication equipment	9.9	10.0	10.5	- .1	- .6
Transportation equipment	143.3	146.1	152.5	- 2.7	- 9.2
Motor vehicles and equipment	92.6	94.2	96.7	- 1.6	- 4.1
Aircraft and parts	41.2	42.3	46.8	- 1.1	- 5.5
Instruments and related products	22.4	22.3	23.0	.1	- .5
Measuring and controlling devices	12.3	12.2	12.2	.1	.1
Nondurable Goods[f]	360.1	362.8	356.9	- 2.6	3.2
Food and kindred products	64.2	67.5	63.1	- 3.3	1.1
Meat products	10.0	10.1	9.4	- .2	.6
Dairy products	10.4	10.6	10.1	- .1	.3
Preserved fruits and vegetables	11.3	13.8	11.1	- 2.5	.2
Bakery products	9.0	9.2	8.7	- .2	.3
Beverages	9.9	10.0	10.2	- .2	- .4
Apparel and other textile products	16.4	16.2	16.7	.2	- .3
Paper and allied products	37.8	38.0	37.2	- .1	.6
Misc. converted paper products	12.1	12.1	11.9	.0	.2
Paperboard containers and boxes	13.4	13.5	12.6	- .1	.8
Printing and publishing	70.3	70.0	69.4	.3	1.0
Newspapers	19.3	19.3	19.5	.0	- .2
Commercial printing	26.7	26.7	26.6	- .1	.1
Chemicals and allied products	64.3	64.6	63.1	- .3	1.2
Industrial inorganic chemicals	10.2	10.3	10.0	- .1	.2
Rubber and misc. plastics products	90.4	89.8	90.6	.7	- .2
Tires and inner tubes	16.3	16.5	17.7	- .2	- 1.4
Miscellaneous plastics products	54.4	53.5	52.9	.8	1.4

See footnotes on page 13.

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1987[b]	September 1987[c]	October 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3564.1	3541.4	3447.7	22.7	116.4
MINING	20.7	20.9	22.0	- .2	- 1.3
Bituminous coal and lignite mining	9.3	9.3	9.8	.0	- .6
Oil and gas extraction	6.4	6.5	7.3	- .1	- .9
CONSTRUCTION	196.0	194.4	180.3	1.7	15.7
General building contractors	49.2	49.0	45.7	.2	3.6
Heavy construction contractors	26.5	26.2	25.3	.3	1.2
Highway and street construction	13.2	13.3	12.3	- .1	.9
Special trade contractors	120.3	119.1	109.3	1.2	11.0
TRANSPORTATION AND PUBLIC UTILITIES	212.5	212.8	211.4	- .2	1.1
Railroad transportation	14.5	14.7	16.1	- .2	- 1.6
Transportation, except railroads	104.2	103.9	101.1	.3	3.1
Trucking and warehousing	71.9	71.9	70.7	.0	1.2
Communication, electric, gas services	93.8	94.2	94.3	- .3	- .5
Communication	52.8	52.9	52.4	- .1	.4
Electric, gas, and sanitary services	41.0	41.2	41.8	- .2	- .9
WHOLESALE TRADE	253.4	252.2	248.2	1.2	5.2
Wholesale trade-durable goods	160.1	159.1	156.9	1.0	3.2
Motor vehicles & automotive equipment	22.6	22.5	22.3	.2	.3
Electrical goods	20.9	20.8	20.8	.1	.0
Machinery, equipment, and supplies	68.8	68.5	67.7	.2	1.1
Wholesale trade-nondurable goods	93.3	93.1	91.3	.2	2.0
Groceries and related products	30.0	30.0	29.0	.0	1.0
RETAIL TRADE	865.2	864.2	839.5	1.1	25.7
General merchandise stores	116.8	113.5	117.9	3.3	- 1.2
Department stores	102.8	100.0	105.4	2.9	- 2.6
Food stores	132.5	132.8	130.0	- .3	2.4
Automotive dealers & service stations	96.9	96.9	92.2	- .1	4.7
Apparel and accessory stores	41.5	40.6	39.6	.9	1.9
Eating and drinking places	303.6	309.5	295.3	- 5.9	8.4
FINANCE, INSURANCE, AND REAL ESTATE	245.0	245.7	235.4	- .6	9.6
Banking	63.1	63.3	61.6	- .2	1.5
Credit agencies other than banks	38.6	38.8	37.4	- .2	1.2
Insurance carriers	65.8	65.8	63.8	.0	2.0
Life insurance	24.0	24.0	23.7	- .1	.2
Fire, marine, and casualty insurance	29.5	29.4	28.7	.1	.8
SERVICES	1074.1	1078.2	1019.1	- 4.1	55.0
Hotels and other lodging places	34.2	35.6	33.6	- 1.4	.7
Personal services	57.8	57.2	54.7	.6	3.1
Laundry, cleaning, & garment services	19.2	19.0	18.6	.2	.6
Business services	221.5	220.5	199.9	1.0	21.6
Services to buildings	30.3	30.4	28.3	.0	2.1
Computer and data processing services	20.4	20.2	18.4	.2	2.0
Amusement and recreation services	39.0	50.6	37.1	- 11.6	1.9
Health services	365.7	364.8	348.9	.9	16.7
Nursing and personal care facilities	81.2	81.0	77.0	.2	4.2
Hospitals	178.7	178.5	172.0	.2	6.7
Educational services	60.9	55.1	61.7	5.8	- .8
Colleges and universities	32.6	28.1	34.0	4.5	- 1.4
GOVERNMENT	697.2	673.2	691.8	24.0	5.4
Federal government	94.6	94.7	93.3	- .2	1.3
State government	156.8	142.8	154.2	14.0	2.6
State government education[1]	82.7	68.0	82.8	14.7	- .2
State government, except education	74.1	74.9	71.3	- .7	2.8
Local government	445.9	435.7	444.3	10.2	1.5
Local government education	259.8	246.9	260.0	12.9	- .2
Local government, except education	186.0	188.8	184.3	- 2.7	1.8

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]
MANUFACTURING	$505.79	$500.12	$483.53	42.9	42.6	41.9	$11.79	$11.74	$11.54
Durable Goods[e]	523.67	516.67	502.25	43.1	42.7	42.1	12.15	12.10	11.93
Lumber and wood products	296.13	293.46	302.63	40.4	40.2	41.4	7.33	7.30	7.31
Furniture and fixtures	366.50	353.33	348.96	41.6	40.8	41.2	8.81	8.66	8.47
Stone, clay, and glass products	451.12	460.31	447.44	42.2	42.7	41.7	10.69	10.78	10.73
Glass and glassware, pressed or blown	464.90	477.82	506.18	39.6	40.7	43.3	11.74	11.74	11.69
Primary metal industries	608.34	630.20	563.50	44.6	45.7	42.4	13.64	13.79	13.29
Blast furnace and basic steel products	634.05	667.81	580.25	45.0	46.7	42.2	14.09	14.30	13.75
Iron and steel foundries	624.85	616.86	595.52	44.6	44.7	43.5	14.01	13.80	13.69
Nonferrous rolling and drawing	611.31	660.22	560.52	42.6	44.7	40.5	14.35	14.77	13.84
Fabricated metal products	498.62	484.88	488.36	42.4	41.8	42.1	11.76	11.60	11.60
Cutlery, hand tools, and hardware	478.40	456.30	470.05	40.0	39.1	39.6	11.96	11.67	11.87
Fabricated structural metal products	456.22	455.18	441.34	42.4	42.7	42.6	10.76	10.66	10.36
Metal forgings and stampings	607.82	585.97	618.25	43.2	42.4	43.6	14.07	13.82	14.18
Machinery, except electrical	510.56	489.41	482.58	43.6	42.3	42.0	11.71	11.57	11.49
Construction and related machinery	417.59	410.04	421.89	40.9	40.8	41.0	10.21	10.05	10.29
Metalworking machinery	493.19	477.48	464.78	43.8	42.9	42.1	11.26	11.13	11.04
Special industry machinery	503.09	475.90	457.71	43.9	41.6	41.8	11.46	11.44	10.95
General industrial machinery	526.44	525.64	513.95	42.8	42.7	42.3	12.30	12.31	12.15
Office and computing machines	434.49	428.26	399.53	44.2	43.7	42.1	9.83	9.80	9.49
Refrigeration and service machinery	539.55	540.38	574.00	41.6	41.6	42.9	12.97	12.99	13.38
Electric and electronic equipment	467.87	452.08	456.77	41.7	40.4	41.6	11.22	11.19	10.98
Electrical industrial apparatus	483.72	464.12	437.12	43.5	41.7	40.7	11.12	11.13	10.74
Household appliances	475.97	453.53	471.03	40.2	38.5	41.5	11.84	11.78	11.35
Electric lighting and wiring equipment	475.80	443.25	472.34	41.7	39.4	41.8	11.41	11.25	11.30
Communication equipment	518.64	492.46	473.49	42.2	40.8	40.4	12.29	12.07	11.72
Transportation equipment	650.90	634.36	610.76	44.4	43.9	42.8	14.66	14.45	14.27
Motor vehicles and equipment	672.12	648.68	624.35	44.6	43.8	42.3	15.07	14.81	14.76
Aircraft and parts	611.34	605.49	584.77	44.3	44.1	44.2	13.80	13.73	13.23
Instruments and related products	372.00	379.55	355.32	40.7	41.3	39.7	9.14	9.19	8.95
Measuring and controlling devices	351.53	354.63	336.55	38.8	38.8	37.9	9.06	9.14	8.88
Nondurable Goods[f]	462.34	461.92	444.52	42.3	42.3	41.7	10.93	10.92	10.66
Food and kindred products	436.18	453.64	426.72	41.7	44.0	42.0	10.46	10.31	10.16
Meat products	376.07	393.13	372.08	40.7	42.5	40.4	9.24	9.25	9.21
Dairy products	464.34	496.30	452.19	42.6	45.2	42.3	10.90	10.98	10.69
Preserved fruits and vegetables	426.92	454.72	412.02	40.2	46.4	42.0	10.62	9.80	9.81
Bakery products	459.49	455.07	465.63	40.2	39.4	39.9	11.43	11.55	11.67
Beverages	454.51	456.38	424.79	43.0	43.3	42.1	10.57	10.54	10.09
Apparel and other textile products	295.71	291.06	271.36	39.8	38.5	37.9	7.43	7.56	7.16
Paper and allied products	500.19	510.98	495.29	44.9	45.3	44.5	11.14	11.28	11.13
Misc. converted paper products	436.17	460.34	460.67	43.1	43.8	44.9	10.12	10.51	10.26
Paperboard containers and boxes	443.52	440.06	422.30	44.0	43.7	42.4	10.08	10.07	9.96
Printing and publishing	439.24	444.24	418.95	39.5	39.7	38.9	11.12	11.19	10.77
Newspapers	371.95	400.75	357.76	34.6	36.8	34.6	10.75	10.89	10.34
Commercial printing	431.01	439.11	422.42	40.7	41.0	40.5	10.59	10.71	10.43
Chemicals and allied products	549.93	542.27	512.05	42.4	42.2	41.8	12.97	12.85	12.25
Industrial inorganic chemicals	606.19	608.96	550.84	43.8	44.0	41.2	13.84	13.84	13.37
Rubber and misc. plastics products	459.02	437.38	443.23	43.8	42.3	42.7	10.48	10.34	10.38
Tires and inner tubes	656.93	664.41	635.51	46.1	46.3	45.2	14.25	14.35	14.06
Miscellaneous plastics products	442.68	413.34	428.40	43.4	41.5	42.5	10.20	9.96	10.08

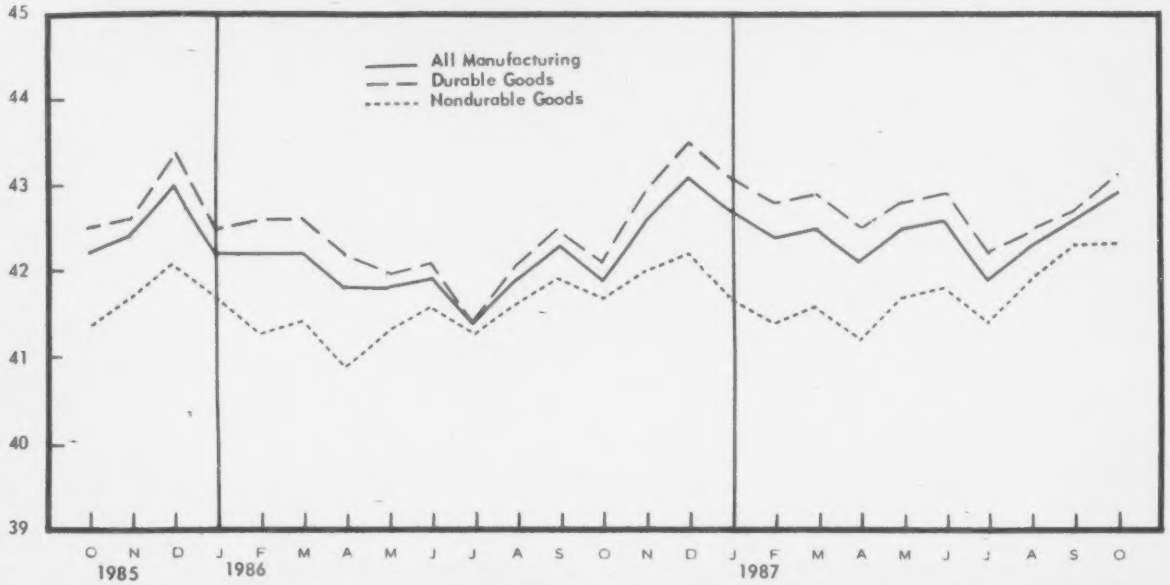
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

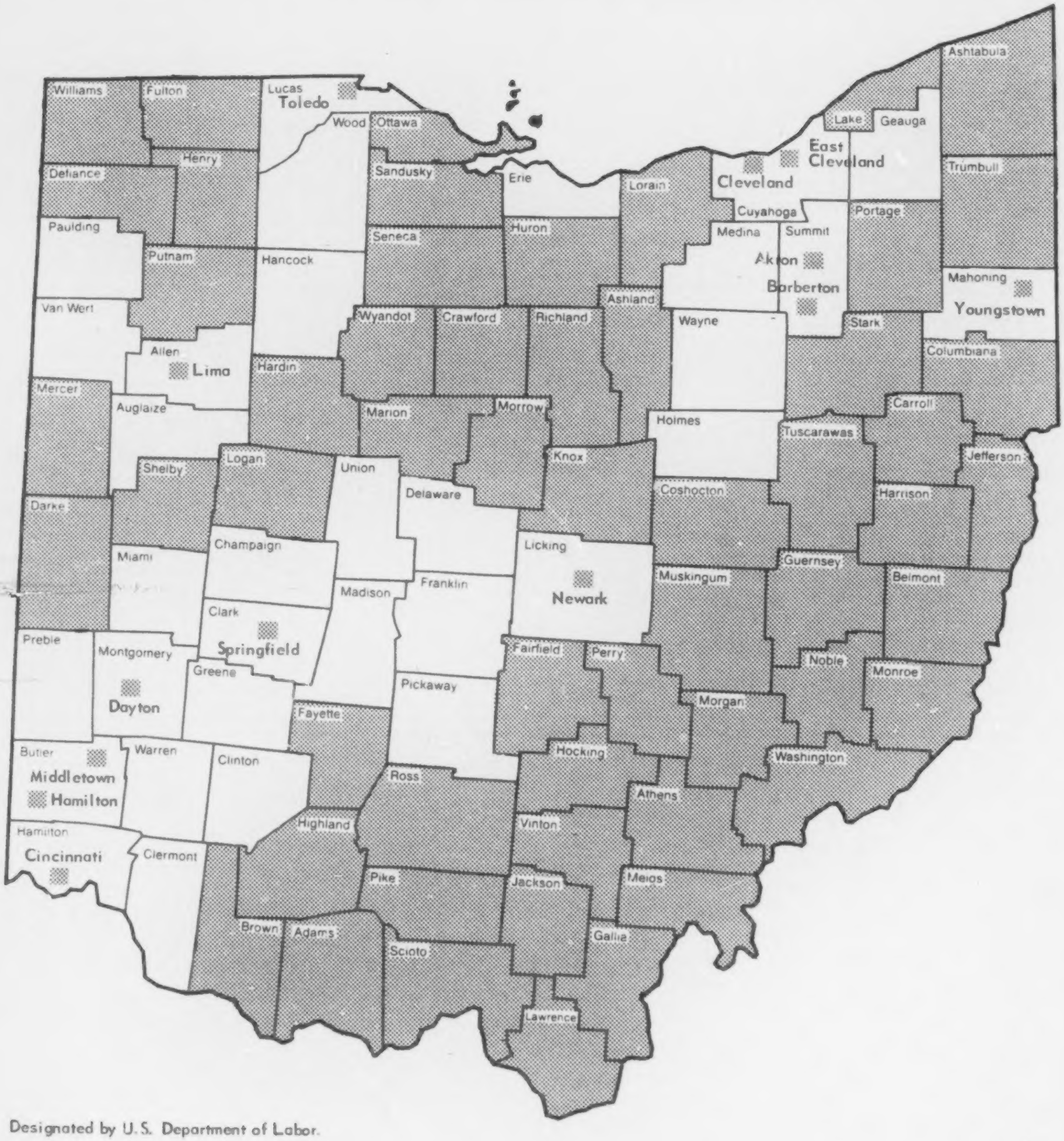
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]
MINING	$545.38	$541.30	$516.67	43.7	43.2	43.2	$12.48	$12.53	$11.96
Bituminous coal and lignite mining	644.82	653.26	597.40	42.2	42.2	39.8	15.28	15.48	15.01
CONSTRUCTION	590.94	538.37	588.35	40.2	36.9	39.7	14.70	14.59	14.82
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	558.14	566.50	552.49	40.8	41.2	41.2	13.68	13.75	13.41
Communication	542.70	558.42	545.61	40.2	41.0	40.9	13.50	13.62	13.34
Electric, gas, and sanitary services	578.66	576.29	561.60	41.6	41.4	41.6	13.91	13.92	13.50
WHOLESALE TRADE	386.10	382.76	369.57	39.6	39.5	39.4	9.75	9.69	9.38
Wholesale trade-durable goods	377.85	375.14	364.59	39.4	39.2	39.5	9.59	9.57	9.23
Wholesale trade-nondurable goods	399.19	392.83	376.92	39.8	39.8	39.1	10.03	9.87	9.64
RETAIL TRADE[h]	163.59	164.16	158.44	28.7	28.8	28.6	5.70	5.70	5.54
General merchandise stores	177.45	189.00	179.67	28.9	30.0	29.6	6.14	6.30	6.07
Department stores	183.33	195.13	184.11	29.1	30.3	29.6	6.30	6.44	6.22
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	259.39	257.46	251.79	....	....	....	.....	.....	.....
Credit agencies other than banks	253.79	252.70	244.91	....	....	....	.....	.....	.....
Insurance carriers	354.02	348.69	338.18	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	334.31	335.32	322.01	33.1	33.2	33.3	10.10	10.10	9.67

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



LABOR SURPLUS AREAS IN OHIO


Williams
Fulton
Lucas
Toledo
Wood
Ottawa
Ashtabula
Lake
Geauga
East Cleveland
Cleveland
Cuyahoga
Defiance
Henry
Sandusky
Erie
Lorain
Trumbull
Paulding
Putnam
Hancock
Seneca
Huron
Medina
Summit
Portage
Akron
Barberton
Mahoning
Youngstown
Van Wert
Wyandot
Crawford
Richland
Ashland
Wayne
Stark
Columbiana
Allen
Lima
Hardin
Mercer
Auglaize
Marion
Morrow
Holmes
Carroll
Tuscarawas
Jefferson
Shelby
Logan
Union
Knox
Delaware
Coshocton
Harrison
Darke
Miami
Champaign
Licking
Newark
Guernsey
Belmont
Muskingum
Madison
Franklin
Clark
Springfield
Preble
Montgomery
Dayton
Greene
Fairfield
Perry
Noble
Monroe
Pickaway
Morgan
Fayette
Butler
Middletown
Hamilton
Warren
Clinton
Hocking
Washington
Ross
Athens
Hamilton
Cincinnati
Clermont
Highland
Vinton
Pike
Jackson
Meigs
Brown
Adams
Scioto
Gallia
Lawrence

Designated by U.S. Department of Labor.

The U.S. Department of Labor has designated labor surplus areas for the period October 1, 1987 through September 30, 1988. Employers located in labor surplus areas can be given preference in bidding on federal procurement contracts under Executive Orders 12073 (Federal Procurement in Labor Surplus Areas) and 10582 (Implementing the Buy American Act). Designated areas in Ohio are listed below.

The classification, Labor Surplus Area, is assigned on a county level unless a county contains a city or cities with a population of 25,000 or more. In that case, the city or cities and the balance-of-county are classified separately. A qualifying city is listed below only if the entire county in which it is located does not qualify. To qualify as a labor surplus area during this period, the average unemployment rate in the specified area for the two-year period January 1985 through December 1986 must be at least 8.6 percent.

In exceptional circumstances, the Ohio Bureau of Employment Services may petition the Employment and Training Administration, U.S. Department of Labor, to waive the regular criteria when an area experiences a significant increase in unemployment which is not temporary or seasonal -and which was not adequately reflected in data for the reference period. The unemployment rate for each of the most recent three months and projected for each of the next twelve months must be at least 8.6 percent.

Questions about Labor Surplus Areas may be directed to: Dixie Sommers, Director, OBES - Labor Market Information Division, 145 S. Front St., Columbus, OH 43215, phone (614) 481-5783, or to one of the following Labor Market Analysts:

City	Name	Phone Number
Akron/Canton	W. Keith Fletcher	(216) 434-2141
Bowling Green	Don Wonnell	(419) 354-2559
Cincinnati	Gary M. Flesch	(513) 852-3124
Cleveland	Thomas Buescher	(216) 622-3550
Steubenville	Pietro Scaffidi	(614) 283-4165
Youngstown	Donald E. Curry	(216) 744-5201

Labor Surplus Areas in Ohio

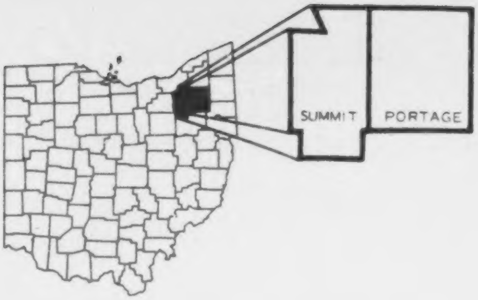
Akron
Barberton
Cincinnati
Cleveland
Dayton
East Cleveland
Hamilton
Lima
Middletown
Newark
Springfield
Toledo
Youngstown

Cities

Adams
Ashland
Ashtabula
Athens
Belmont
Brown
Carroll
Columbiana
Coshocton
Crawford
Darke
Defiance
Fairfield
Fayette
Fulton
Gallia
Guernsey
Hardin
Harrison
Henry
Highland
Hocking
Huron
Jackson
Jefferson
Knox
Lake
Lawrence
Logan
Lorain
Marion
Meigs
Mercer
Monroe
Morgan
Morrow
Muskingum
Noble
Ottawa
Perry
Pike
Portage (except Kent)
Putnam
Richland
Ross
Sandusky
Scioto
Seneca
Shelby
Stark
Trumbull
Tuscarawas
Vinton
Washington
Williams
Wyandot

Counties

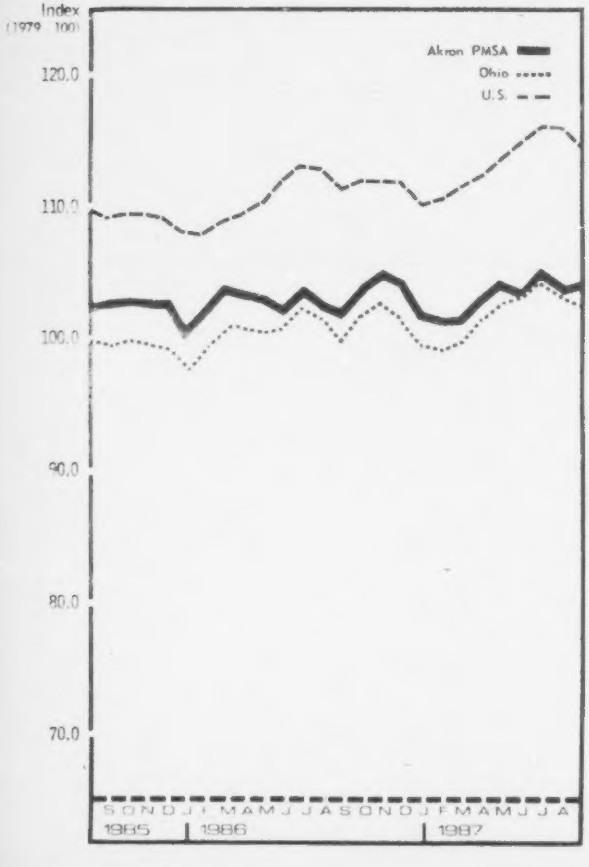
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



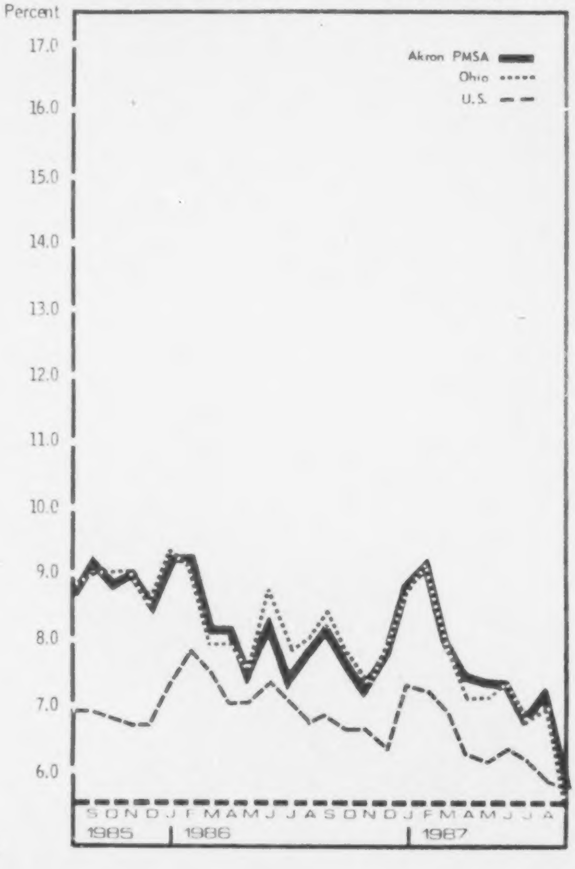
Nonagricultural wage and salary employment for the Akron metropolitan area totaled 270,700 in October, an improvement of 600 jobs from September. Employment in manufacturing decreased 300, to 65,000, due to the decline in rubber and miscellaneous plastics products. Seasonal losses in amusement and recreation services were more than offset by the return of nonfaculty personnel in state and local schools and colleges, and gains in retail trade and construction. Factory production worker average weekly hours declined by .3 hours over the month, to 43.0 hours. Their average hourly earnings rose fractionally, to $11.29 per hour.

Nonfarm wage and salary employment in the Akron area advanced 6,800 over the year. Nonmanufacturing industries provided the boost in employment, as increases were recorded throughout the divisions. Services, retail trade, and construction were the primary contributors toward the advancement. Sizable setbacks in rubber and miscellaneous plastics products, especially tires and inner tubes, and fabricated metal products accounted for the loss of 1,500 manufacturing jobs.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

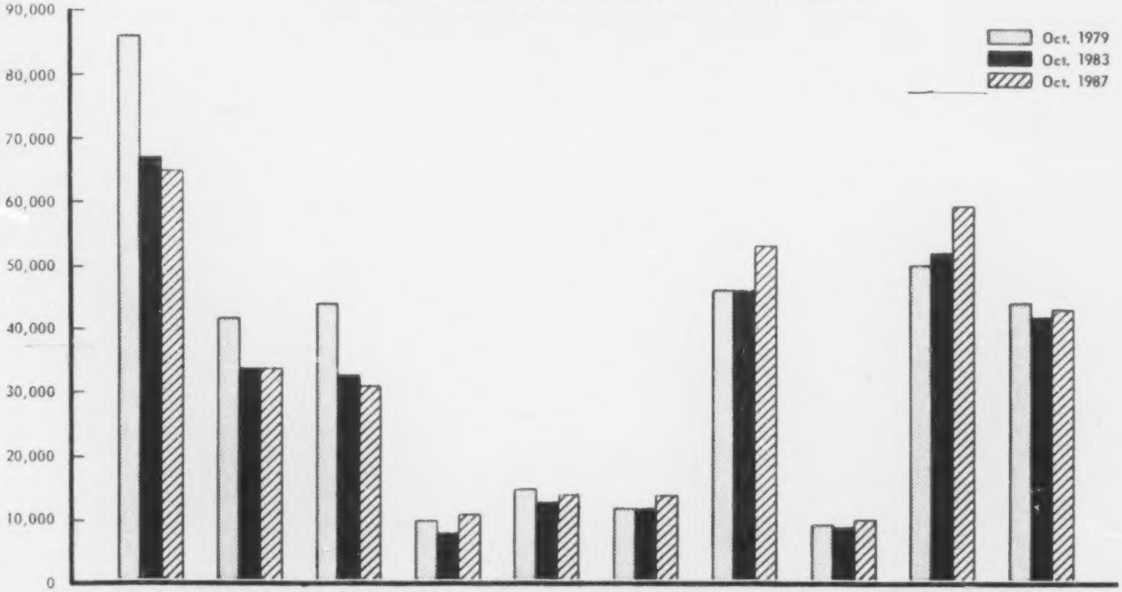


AKRON PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
316.9	293.4	23.5	7.4	April	263.4	64.7	34.9	483.75	43.0	11.25
320.9	297.5	23.4	7.3	May	266.8	64.5	35.0	487.19	43.0	11.33
317.3	294.3	23.1	7.3	June	262.8	64.5	35.0	488.32	43.1	11.33
321.3	299.8	21.6	6.7	July	262.9	64.2	34.9	469.42	42.1	11.15
318.8	295.7	23.1	7.2	August	263.1	64.3	35.0	482.36	43.3	11.14
315.6	297.5	18.1	5.7	September	270.1	65.3	36.0	488.42	43.3	11.28
INA	INA	INA	INA	October	270.7	65.0	35.9	485.47	43.0	11.29

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1987[b]	September 1987[c]	October 1986[c]	From Last Month	From Last Year
TOTAL	270.7	270.1	263.9	.6	6.8
MANUFACTURING	65.0	65.3	66.5	-.3	-1.5
Durable Goods[e]	34.3	34.3	35.0	.0	-.7
Fabricated metal products	12.6	12.7	13.0	-.1	-.4
Machinery, except electrical	9.3	9.3	9.3	.0	.0
Metalworking machinery	3.1	3.1	3.0	.0	.1
Nondurable Goods[f]	30.6	31.0	31.5	-.4	-.9
Food and kindred products	2.8	2.9	2.7	-.1	.1
Chemicals and allied products	3.0	3.0	2.8	.0	.2
Rubber and misc. plastics products	19.1	19.4	20.5	-.3	-1.4
Tires and inner tubes	11.8	12.0	13.5	-.2	-1.6
NONMANUFACTURING[g]	205.7	204.8	197.4	.9	8.3
CONSTRUCTION	11.4	11.2	9.8	.2	1.6
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.6	13.1	.0	.4
Communication, electric, gas services	5.5	5.5	5.4	.0	.1
WHOLESALE TRADE	13.8	13.7	13.8	.1	.0
RETAIL TRADE	53.1	52.9	50.8	.2	2.3
General merchandise stores	6.9	6.7	6.6	.2	.4
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.5	10.1	.0	.4
Banking	3.1	3.1	3.1	.0	.0
SERVICES	59.2	59.7	55.6	-.5	3.5
Business services	11.5	11.4	10.7	.1	.9
Amusement and recreation services	3.3	4.1	2.6	-.8	.7
Health services	18.4	18.3	17.5	.1	.8
GOVERNMENT	43.4	42.6	43.4	.8	.0
State government	15.4	15.1	15.6	.3	-.2
State government education[i]	12.4	12.0	12.7	.3	-.3
State government, except education	3.0	3.0	2.9	-.1	.1
Local government	25.7	25.2	25.6	.6	.1
Local government education	14.4	13.7	14.1	.7	.4
Local government, except education	11.3	11.4	11.5	-.2	-.2

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

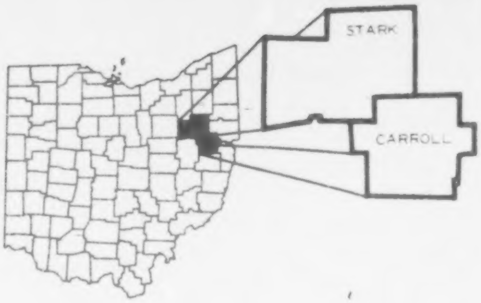
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]
MANUFACTURING	$485.47	$488.42	$488.91	43.0	43.3	43.0	$11.29	$11.28	$11.37
Durable Goods[e]	498.67	492.20	507.04	43.1	43.1	43.3	11.57	11.42	11.71
Fabricated metal products	580.86	580.99	656.37	42.0	43.1	45.9	13.83	13.48	14.30
Machinery, except electrical	474.83	448.06	427.39	46.1	44.1	43.7	10.30	10.16	9.78
Metalworking machinery	477.02	448.12	434.43	46.0	44.5	43.4	10.37	10.07	10.01
Nondurable Goods[f]	464.81	483.32	460.28	42.8	43.7	42.5	10.86	11.06	10.83
Food and kindred products	466.12	500.02	441.05	43.4	46.0	40.8	10.74	10.87	10.81
Chemicals and allied products	510.35	527.61	453.69	42.6	44.3	40.4	11.98	11.91	11.23
Rubber and misc. plastics products	488.37	499.26	495.27	43.8	44.3	44.3	11.15	11.27	11.18
Tires and inner tubes	738.02	764.48	715.84	47.4	48.6	48.4	15.57	15.73	14.79
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	572.52	580.17	561.27	41.1	41.5	41.3	13.93	13.98	13.59
WHOLESALE TRADE	340.55	343.66	316.30	37.3	38.1	37.3	9.13	9.02	8.48
RETAIL TRADE[h]	201.85	203.39	193.44	32.4	32.7	31.2	6.23	6.22	6.20

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	2,947	2,652	3,213
Active File of Job Seekers	17,920	17,157	20,882
Referrals to Jobs	1,563	1,691	1,491
Placements	612	659	495
Job Openings Received	748	999	714
Job Openings Unfilled	1,288	2,360	921
Unemployment Insurance Program			
Initial Claims	2,438	2,197	3,542
Continued Claims	20,908	23,387	28,844
First Payments	958	1,142	1,212
Last Payments	497	413	477
Weeks Compensated	18,454	19,210	20,437
Benefits Paid	$2,780,952	$2,879,317	$2,951,717
Average Weekly Payment	$155.04	$153.64	$148.35

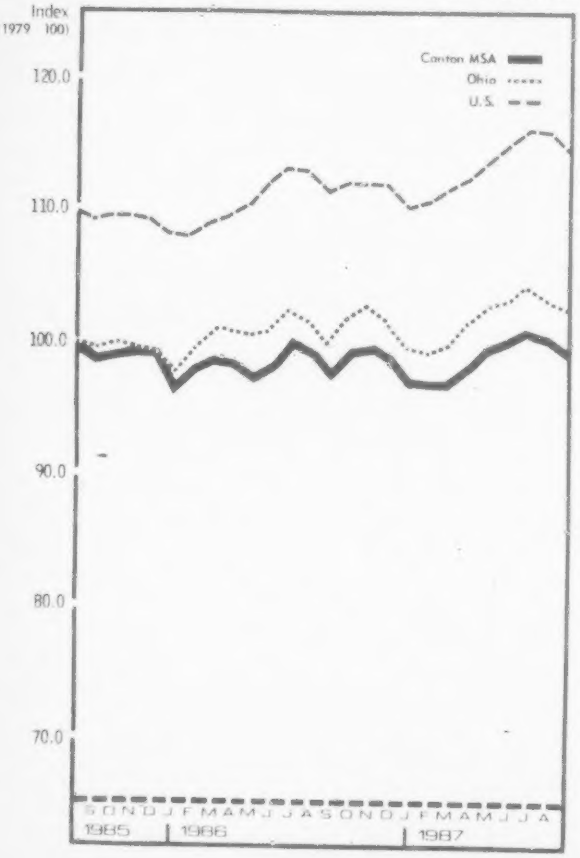
CANTON
METROPOLITAN STATISTICAL AREA



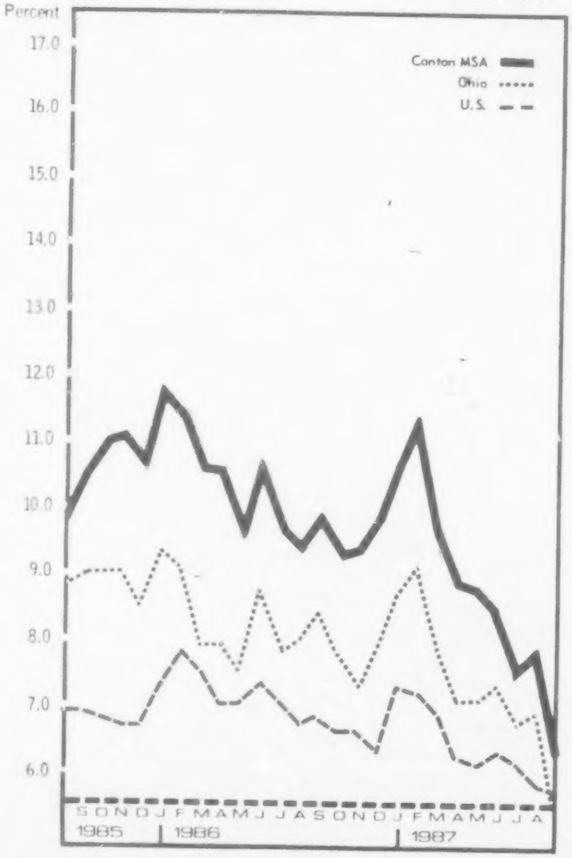
Canton's nonagricultural wage and salary employment for the month of October totaled 157,600, a net gain of 800 from September. Employment in manufacturing remained unchanged at 42,400. A seasonal increase in nonteaching personnel in the local schools helped boost nonmanufacturing employment by 800. Manufacturing production workers averaged a 41.9 hour workweek at $11.41 per hour, up .4 hours and $.11, respectively, from the previous month.

From October 1986 to October 1987, nonfarm wage and salary employment in the Canton area registered an expansion of 7,900 new jobs. Major advancements in retail trade, construction, and services accounted for most of the growth in nonmanufacturing employment. Overall improvement in durable-goods industries, particularly in primary metals, helped lead to the addition of 3,700 manufacturing jobs.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

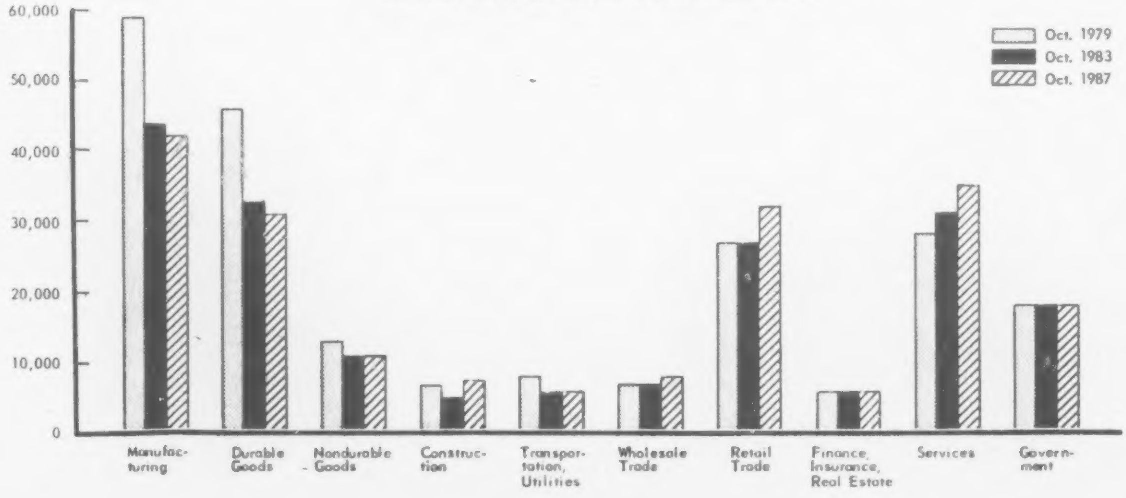


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
187.3	170.6	16.7	8.9	April	153.9	42.7	30.2	471.03	41.5	11.35
189.2	172.6	16.7	8.8	May	155.6	42.5	30.1	486.35	42.7	11.39
189.7	173.5	16.2	8.5	June	156.4	42.5	30.1	479.39	42.2	11.36
189.1	175.0	14.1	7.5	July	154.8	41.7	29.5	470.50	41.6	11.31
188.8	173.9	14.8	7.9	August	156.1	42.2	30.2	460.73	41.1	11.21
183.6	172.0	11.6	6.3	September	156.8	42.5	30.5	468.95	41.5	11.30
INA	INA	INA	INA	October	157.6	42.4	30.5	478.08	41.9	11.41

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1987[b]	September 1987[c]	October 1986[c]	From Last Month	From Last Year
TOTAL	157.6	156.8	149.7	.8	7.9
MANUFACTURING	42.4	42.5	38.7	.0	3.7
Durable Goods[e]	31.4	31.4	27.4	.1	4.1
Primary metal industries	10.1	10.0	8.4	.1	1.8
Fabricated metal products	6.2	6.2	6.9	.0	-.7
Metal forgings and stampings	2.0	2.0	2.4	.0	-.4
Nondurable Goods[f]	11.0	11.1	11.4	-.1	-.4
Food and kindred products	3.5	3.6	3.7	-.2	-.2
Rubber and misc. plastics products	2.7	2.7	2.7	.0	.0
NONMANUFACTURING[g]	115.2	114.3	110.9	.8	4.2
CONSTRUCTION	7.5	7.3	6.3	.2	1.2
TRANSPORTATION AND PUBLIC UTILITIES	6.0	6.0	5.9	.0	.2
Communication, electric, gas services	2.7	2.7	2.7	.0	-.1
WHOLESALE TRADE	8.1	8.0	8.0	.1	.1
Wholesale trade-durable goods	4.5	4.5	4.6	.0	-.1
RETAIL TRADE	32.4	32.5	31.0	-.1	1.5
General merchandise stores	4.0	3.9	3.9	.1	.2
Food stores	5.3	5.2	5.1	.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.6	6.5	-.1	.0
Banking	1.9	1.9	1.9	.0	.0
SERVICES	35.1	34.9	34.0	.2	1.1
Health services	15.0	14.9	14.5	.1	.5
GOVERNMENT	18.4	17.9	18.3	.5	.2
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	15.3	14.8	15.2	.5	.1
Local government education	8.9	8.4	9.3	.5	-.4
Local government, except education	6.4	6.4	5.9	.0	.5

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

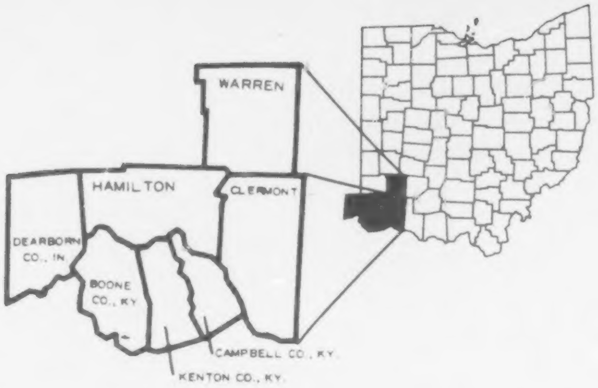
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]
MANUFACTURING	$478.08	$468.95	$445.61	41.9	41.5	40.4	$11.41	$11.30	$11.03
Durable Goods[e]	498.62	487.20	461.86	42.4	42.0	40.8	11.76	11.60	11.32
Primary metal industries	573.77	565.07	524.17	43.5	43.3	41.8	13.19	13.05	12.54
Fabricated metal products	449.22	443.77	489.52	41.1	40.9	42.2	10.93	10.85	11.60
Metal forgings and stampings	606.56	600.06	624.49	40.6	41.1	41.8	14.94	14.60	14.94
Nondurable Goods[f]	415.53	411.37	407.25	40.5	39.9	39.5	10.26	10.31	10.31
Food and kindred products	428.18	420.79	426.58	39.5	39.4	39.1	10.84	10.68	10.91
Rubber and misc. plastics products	435.66	459.24	420.45	41.1	43.0	41.1	10.60	10.68	10.23
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	559.65	564.82	541.86	41.0	41.5	41.3	13.65	13.61	13.12
WHOLESALE TRADE	405.96	379.55	331.06	39.8	38.3	34.2	10.20	9.91	9.68
RETAIL TRADE[h]	154.47	153.30	155.27	28.5	28.6	28.7	5.42	5.36	5.41

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	1,099	1,224	1,515
Active File of Job Seekers	11,007	11,327	17,907
Referrals to Jobs	945	897	1,089
Placements	153	180	265
Job Openings Received	408	461	552
Job Openings Unfilled	518	735	352
Unemployment Insurance Program			
Initial Claims	1,787	1,833	3,931
Continued Claims	12,491	15,061	32,342
First Payments	627	699	4,446
Last Payments	243	203	319
Weeks Compensated	10,248	10,670	26,278
Benefits Paid	$1,417,484	$1,494,898	$4,350,578
Average Weekly Payment	$142.84	$144.14	$169.54

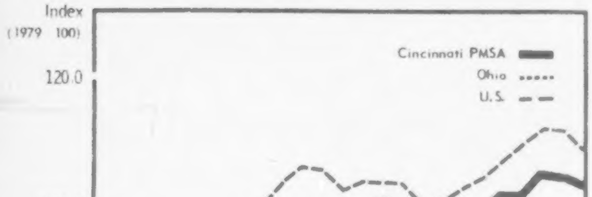
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



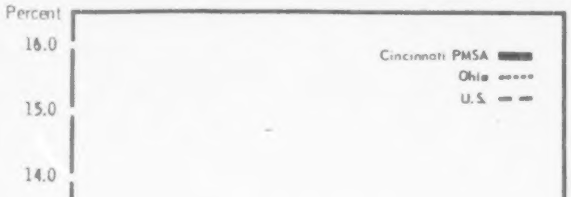
Nonfarm wage and salary employment in the Cincinnati area was 687,800 in October, down 900 from September. Manufacturing employment, at 145,400, was down 1,600, due to layoffs in motor vehicles and equipment. Increases in nonfaculty employment in state and local schools and colleges more than offset seasonal declines in amusement and recreation services. Factory production workers earned an average of $10.89 per hour, down $.08 from September. The average workweek was up slightly, to 43.1 hours.

Since October 1986, nonfarm employment increased 22,300. Growth in retail trade, business and health services, construction, and wholesale trade contributed most to the improvement. Manufacturing lost 3,800 employees, as scattered gains in nondurable-goods industries were overshadowed by losses in motor vehicles and equipment and metalworking machinery.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



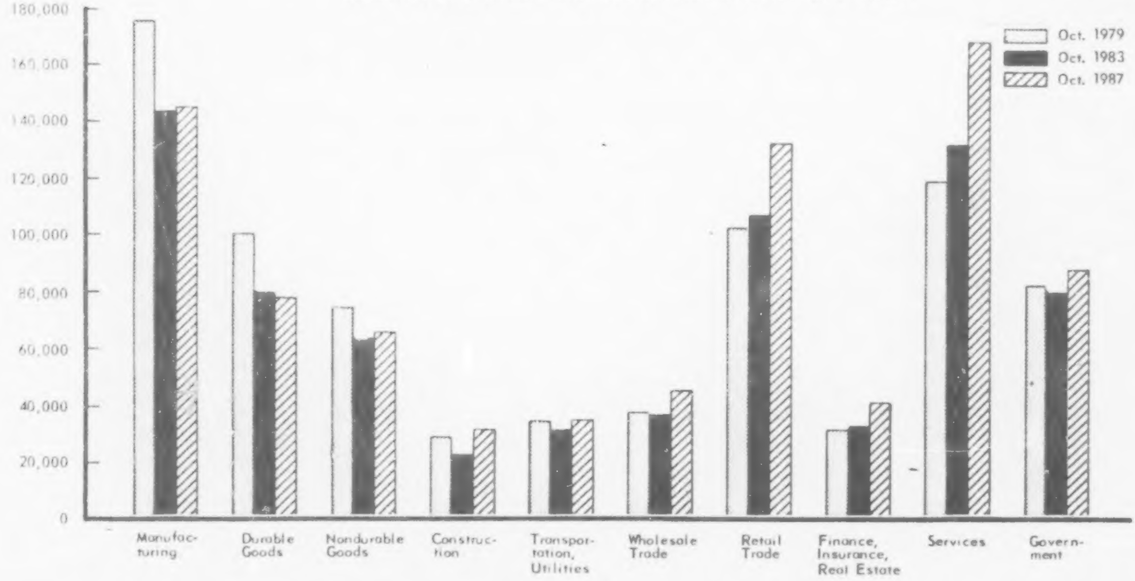
CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
727.0	675.0	52.0	7.2	March	657.2	143.9	91.6	462.40	42.5	10.88
732.2	691.5	40.7	5.6	April	671.8	147.5	95.3	459.39	41.8	10.99
740.9	699.3	41.6	5.6	May	678.7	148.1	95.7	466.15	42.3	11.02
747.8	698.8	48.9	6.5	June	679.2	145.4	92.6	466.52	42.8	10.90
752.9	708.5	44.4	5.9	July	678.2	145.6	92.4	451.73	42.1	10.73
744.9	705.9	38.9	5.2	August	684.7	149.2	96.2	472.69	42.7	11.07
737.6	701.2	36.4	4.9	September	688.8	147.0	94.2	471.71	43.0	10.97
INA	INA	INA	INA	October	687.8	145.4	92.6	469.36	43.1	10.89

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1987[b]	September 1987[c]	October 1986[c]	From Last Month	From Last Year
TOTAL	687.8	688.8	665.5	- .9	22.3
MANUFACTURING	145.4	147.0	149.2	- 1.6	- 3.8
Durable Goods[e]	78.0	79.6	82.6	- 1.5	- 4.6
Fabricated metal products	11.2	11.3	10.9	- .1	.3
Fabricated structural metal products	4.4	4.6	4.1	- .1	.3
Machinery, except electrical	19.4	19.5	20.5	- .1	- 1.1
Metalworking machinery	7.8	7.9	8.6	- .1	- .8
General industrial machinery	2.7	2.7	2.8	.0	- .1
Electric and electronic equipment	7.5	7.5	7.7	- .1	- .2
Transportation equipment	24.3	25.6	28.6	- 1.3	- 4.2
Motor vehicles and equipment	3.8	5.0	8.4	- 1.1	- 4.5
Nondurable Goods[f]	67.3	67.5	66.6	- .1	.8
Food and kindred products	13.3	13.4	13.2	- .1	.1
Beverages	3.8	3.8	4.0	.0	- .2
Apparel and other textile products	3.8	3.8	3.6	.1	.2
Paper and allied products	6.9	6.9	6.5	.0	.4
Printing and publishing	13.4	13.5	13.1	- .1	.3
Commercial printing	5.9	6.1	5.6	- .2	.3
Chemicals and allied products	22.3	22.3	22.3	.0	.0
Rubber and misc. plastics products	5.8	5.7	5.5	.2	.3
NONMANUFACTURING[g]	542.4	541.7	516.4	.7	26.1
CONSTRUCTION	32.1	31.6	29.4	.4	2.7
TRANSPORTATION AND PUBLIC UTILITIES	35.6	35.5	34.9	.1	.6
Trucking and warehousing	9.7	9.7	9.8	- .1	- .1
Communication, electric, gas services	15.3	15.3	15.3	.0	.0
WHOLESALE TRADE	45.7	45.5	43.4	.2	2.4
Wholesale trade-durable goods	27.5	27.3	25.9	.2	1.7
RETAIL TRADE	131.9	131.1	126.4	.8	5.5
General merchandise stores	20.0	19.4	19.6	.6	.3
FINANCE, INSURANCE, AND REAL ESTATE	40.6	40.7	38.6	- .1	1.9
Banking	8.6	8.5	8.2	.0	.4
Insurance carriers	13.3	13.2	12.7	.1	.6
SERVICES	167.9	170.3	156.4	- 2.4	11.5
Hotels and other lodging places	6.6	6.9	6.4	- .3	.2
Personal services	8.5	8.4	8.0	.1	.5
Business services	40.9	41.1	36.5	- .2	4.4
Amusement and recreation services	7.1	10.0	6.8	- 2.9	.3
Health services	52.7	52.5	49.4	.2	3.2
Hospitals	25.1	25.1	23.7	.1	1.4
GOVERNMENT	88.2	86.6	86.9	1.7	1.3
Federal government	14.3	14.3	14.0	.0	.3
State government	19.6	18.7	19.4	.9	.3
State government education[1]	11.8	10.8	11.6	1.1	.3
State government, except education	7.8	7.9	7.8	- .1	.0
Local government	54.3	53.6	53.6	.7	.7
Local government education	31.9	31.0	31.6	.9	.3
Local government, except education	22.4	22.6	22.0	- .2	.4

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]
MANUFACTURING	$469.36	$471.71	$459.00	43.1	43.0	42.5	$10.89	$10.97	$10.80
Durable Goods[e]	463.33	469.37	467.99	43.1	43.3	42.7	10.75	10.84	10.96
Fabricated metal products	425.00	431.57	411.61	43.5	44.4	43.1	9.77	9.72	9.55
Fabricated structural metal products	429.57	451.98	439.00	43.7	46.5	43.9	9.83	9.72	10.00
Machinery, except electrical	425.00	413.82	424.00	42.5	41.8	42.4	10.00	9.90	10.00
Metalworking machinery	451.00	453.95	475.68	41.0	41.8	43.6	11.00	10.86	10.91
General industrial machinery	463.37	452.95	404.55	46.9	46.6	42.9	9.88	9.72	9.43
Electric and electronic equipment	356.87	355.77	361.56	40.6	40.2	40.9	8.79	8.85	8.84
Transportation equipment	689.47	694.85	659.81	45.6	46.2	45.1	15.12	15.04	14.63
Motor vehicles and equipment	766.82	773.30	688.64	46.0	47.5	44.4	16.67	16.28	15.51
Nondurable Goods[f]	475.37	475.08	449.23	43.1	42.8	42.3	11.03	11.10	10.62
Food and kindred products	517.44	539.26	467.38	44.8	45.7	42.8	11.55	11.80	10.92
Beverages	554.84	553.58	519.09	44.0	43.9	42.9	12.61	12.61	12.10
Apparel and other textile products	229.47	213.76	213.79	40.4	37.7	38.8	5.68	5.67	5.51
Paper and allied products	442.88	438.48	408.62	44.2	43.5	41.4	10.02	10.08	9.87
Printing and publishing	456.75	472.46	456.74	40.6	41.7	40.1	11.25	11.33	11.39
Commercial printing	467.74	519.55	526.14	41.8	45.1	44.4	11.19	11.52	11.85
Chemicals and allied products	543.57	531.65	523.08	42.4	41.6	42.7	12.82	12.78	12.25
Rubber and misc. plastics products	447.46	445.47	427.32	47.2	46.5	46.6	9.48	9.58	9.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	551.86	554.04	529.87	40.4	40.5	39.9	13.66	13.68	13.28
WHOLESALE TRADE	385.82	395.65	382.17	40.4	41.0	40.7	9.55	9.65	9.39
RETAIL TRADE[h]	166.09	168.37	161.86	29.5	29.8	28.8	5.63	5.65	5.62
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	260.62	258.88	256.07	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

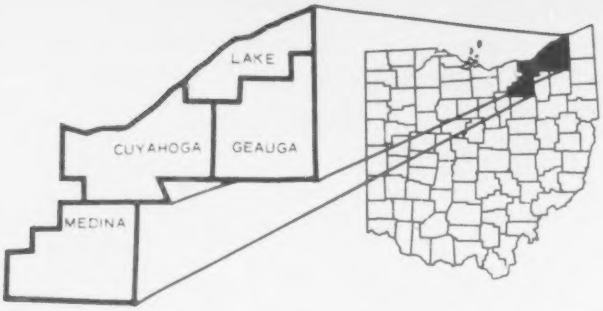
Selected Administrative Program Activities[a]

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	4,280	4,328	3,713
Active File of Job Seekers	21,333	16,686	25,133
Referrals to Jobs	2,833	1,912	2,080
Placements	1,147	371	574
Job Openings Received	1,960	1,691	1,401
Job Openings Unfilled	3,512	3,459	2,148
Unemployment Insurance Program			
Initial Claims	4,772	5,226	4,016
Continued Claims	39,438	36,320	38,599
First Payments	1,593	2,683	1,858
Last Payments	549	517	629
Weeks Compensated	35,570	23,650	30,024
Benefits Paid	$5,748,297	$3,461,339	$4,266,853
Average Weekly Payment	$164.63	$149.17	$145.19

[a] Ohio data only

CLEVELAND

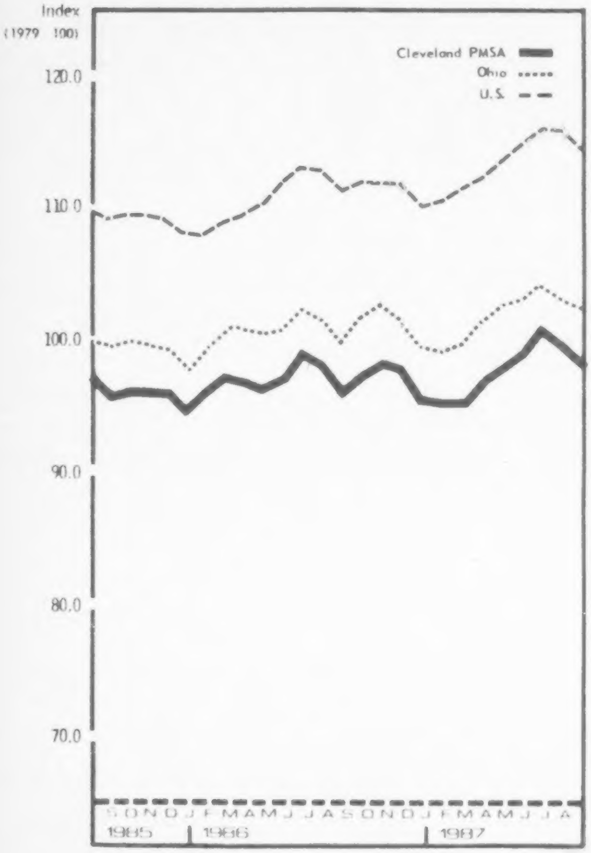
PRIMARY METROPOLITAN STATISTICAL AREA



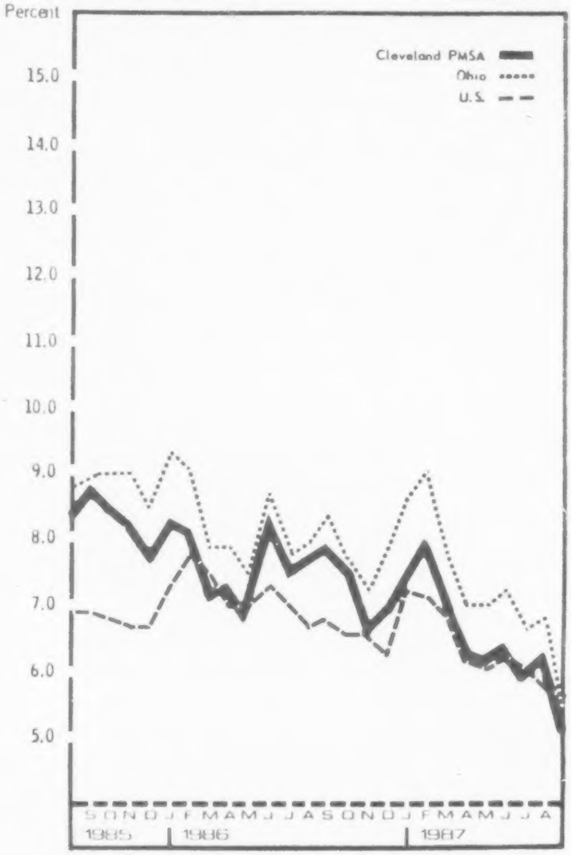
Nonfarm employment in the Cleveland metropolitan area advanced 3,400 from September, to 912,800 in October. Most of the improvement occurred in the nonmanufacturing sector, with 2,600 additional workers. Gains in local schools and general merchandise stores overshadowed seasonal losses in amusement and recreation services and local government. Manufacturing employment rose 800, to 205,400, due to increases in fabricated metal products and food and kindred products. Factory production workers earned an average of $11.61 per hour, up $.15 from September. Their average workweek increased .6 hours, to 43.1 hours.

Since October 1986, nonagricultural wage and salary employment increased 22,200. Substantial growth in business and health services, retail trade, and finance, insurance, and real estate contributed most to the rise in nonmanufacturing jobs. Manufacturing employment advanced 1,500 during the period. Increases in nondurable-goods industries offset the loss of 1,200 employees in instruments and related products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

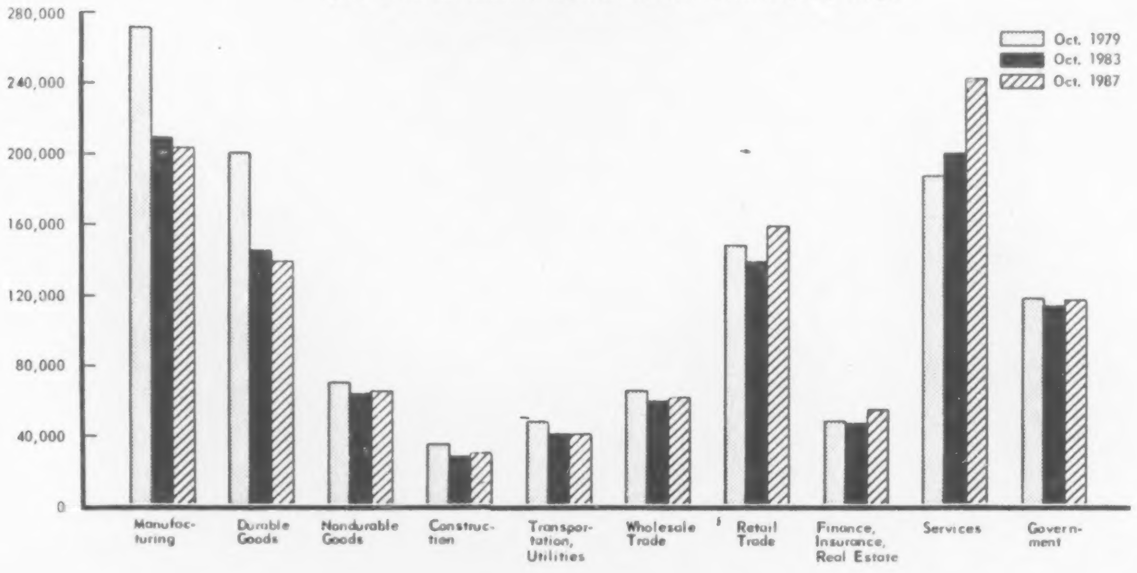


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
914.3	850.9	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
923.1	865.1	58.0	6.3	April	893.4	203.8	130.9	494.89	42.7	11.59
930.8	872.8	58.0	6.2	May	900.8	203.9	130.3	493.19	42.7	11.55
940.0	879.7	60.3	6.4	June	908.0	204.2	130.5	494.21	42.9	11.52
954.0	897.4	56.6	5.9	July	910.0	202.8	128.9	476.52	41.8	11.40
942.3	882.9	59.4	6.3	August	908.3	203.3	129.6	486.75	42.4	11.48
919.1	872.2	46.9	5.1	September	909.4	204.6	131.0	487.05	42.5	11.46
INA	INA	INA	INA	October	912.8	205.4	131.6	500.39	43.1	11.61

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1987[b]	September 1987[c]	October 1986[c]	From Last Month	From Last Year
TOTAL	912.8	909.4	890.6	3.4	22.2
MANUFACTURING	205.4	204.6	203.8	.8	1.5
Durable Goods[e]	139.0	138.4	139.3	.7	-.2
Primary metal industries	21.1	21.0	21.0	.1	.1
Iron and steel foundries	5.2	5.2	5.3	.0	-.1
Fabricated metal products	32.9	32.6	32.4	.3	.5
Fabricated structural metal products	3.8	3.8	3.8	.0	.0
Screw machine products, bolts, etc.	4.8	4.8	4.7	.0	.1
Metal forgings and stampings	11.2	11.1	11.0	.1	.2
Machinery, except electrical	30.0	30.0	30.5	.1	-.4
Construction and related machinery	2.6	2.5	2.6	.1	.1
Metalworking machinery	9.8	9.8	10.0	.0	-.2
Special industry machinery	3.2	3.3	3.4	.0	-.1
General industrial machinery	2.7	2.7	2.9	.0	-.2
Electric and electronic equipment	19.0	18.9	19.1	.1	-.1
Electrical industrial apparatus	6.4	6.5	6.5	-.1	-.1
Transportation equipment	19.0	19.0	18.7	.0	.4
Motor vehicles and equipment	12.1	12.0	11.6	.1	.5
Instruments and related products	6.1	6.3	7.3	-.1	-1.2
Measuring and controlling devices	4.1	4.1	4.3	.0	-.2
Nondurable Goods[f]	66.3	66.2	64.5	.1	1.8
Food and kindred products	7.1	6.9	6.7	.2	.4
Apparel and other textile products	4.0	4.1	4.3	-.1	-.2
Paper and allied products	5.8	5.7	5.4	.1	.3
Printing and publishing	16.9	16.9	16.8	.0	.1
Chemicals and allied products	15.1	15.1	14.4	.0	.7
Rubber and misc. plastics products	12.2	12.2	11.8	-.1	.4
NONMANUFACTURING[g]	707.4	704.8	686.7	2.6	20.7
CONSTRUCTION	29.5	29.2	28.0	.3	1.5
TRANSPORTATION AND PUBLIC UTILITIES	41.9	41.9	41.9	.0	.0
Trucking and warehousing	12.2	12.1	11.6	.1	.6
Communication, electric, gas services	18.1	18.2	18.8	-.1	-.7
WHOLESALE TRADE	62.0	62.2	62.3	-.2	-.3
Wholesale trade-durable goods	42.6	42.7	43.3	-.1	-.7
RETAIL TRADE	158.7	157.4	154.0	1.4	4.7
General merchandise stores	20.8	19.9	20.7	.9	.1
FINANCE, INSURANCE, AND REAL ESTATE	55.3	55.6	52.9	-.3	2.4
Banking	13.6	13.7	13.0	-.1	.6
Credit agencies other than banks	9.2	9.2	8.8	.0	.4
Insurance carriers	13.3	13.4	12.8	-.1	.5
SERVICES	242.3	242.2	229.7	.1	12.6
Business services	55.2	55.5	51.0	-.3	4.3
Amusement and recreation services	8.0	9.7	7.9	-1.8	.1
Health services	76.3	76.1	72.9	.2	3.3
Hospitals	44.2	44.2	42.0	.0	2.2
GOVERNMENT	116.7	115.4	116.8	1.3	-.1
Federal government	20.3	20.4	20.2	.0	.2
State government	8.3	7.8	8.2	.6	.1
State government education[i]	3.2	2.5	3.1	.7	.1
State government, except education	5.1	5.3	5.1	-.2	.1
Local government	88.0	87.3	88.4	.8	-.4
Local government education	43.4	41.3	42.9	2.1	.5
Local government, except education	44.6	45.9	45.5	-1.3	-.9

Hours & Earnings of Production or Nonsupervisory Workers[a]

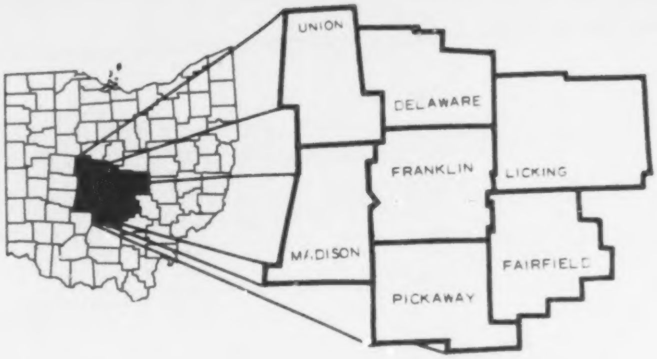
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]
MANUFACTURING	$500.39	$487.05	$480.36	43.1	42.5	42.1	$11.61	$11.46	$11.41
Durable Goods[e]	535.58	517.63	510.85	43.9	43.1	42.5	12.20	12.01	12.02
Primary metal industries	600.14	599.24	593.05	46.2	45.5	43.8	12.99	13.17	13.54
Iron and steel foundries	816.22	869.70	817.90	47.9	50.8	49.6	17.04	17.12	16.49
Fabricated metal products	525.66	507.18	500.44	43.3	42.8	42.7	12.14	11.85	11.72
Fabricated structural metal products	385.09	404.74	367.94	39.7	40.8	40.3	9.70	9.92	9.13
Screw machine products, bolts, etc.	509.18	469.48	431.18	46.5	44.0	41.7	10.95	10.67	10.34
Metal forgings and stampings	667.15	625.24	654.04	45.2	44.0	45.2	14.76	14.21	14.47
Machinery, except electrical	495.22	456.37	453.86	43.1	41.3	41.6	11.49	11.05	10.91
Construction and related machinery	438.87	389.70	433.20	47.6	43.3	45.6	9.22	9.00	9.50
Metalworking machinery	434.93	428.67	412.70	40.8	41.1	40.5	10.66	10.43	10.19
Special industry machinery	504.25	451.88	479.17	40.6	37.1	40.3	12.42	12.18	11.89
General industrial machinery	487.46	490.94	479.81	43.1	43.6	43.5	11.31	11.26	11.03
Electric and electronic equipment	447.86	448.45	422.50	41.7	41.6	40.2	10.74	10.78	10.51
Electrical industrial apparatus	512.51	505.56	444.57	44.8	44.0	40.6	11.44	11.49	10.95
Transportation equipment	729.01	682.05	680.26	47.4	45.5	45.2	15.38	14.99	15.05
Motor vehicles and equipment	789.18	732.34	718.23	47.8	45.6	45.4	16.51	16.06	15.82
Instruments and related products	391.41	404.21	402.29	40.9	41.8	40.8	9.57	9.67	9.86
Measuring and controlling devices	401.20	404.15	395.09	40.0	40.7	40.9	10.03	9.93	9.66
Nondurable Goods[f]	419.38	413.69	406.48	41.4	41.0	41.1	10.13	10.09	9.89
Food and kindred products	367.42	388.33	386.20	41.8	43.1	42.3	8.79	9.01	9.13
Apparel and other textile products	323.70	312.09	308.85	39.0	38.2	38.8	8.30	8.17	7.96
Paper and allied products	477.81	493.88	470.24	42.7	43.9	43.5	11.19	11.25	10.81
Printing and publishing	434.40	416.41	399.31	40.0	38.7	37.6	10.86	10.76	10.62
Chemicals and allied products	508.04	495.85	497.23	42.8	42.2	43.2	11.87	11.75	11.51
Rubber and misc. plastics products	377.27	367.04	376.68	42.2	41.9	43.0	8.94	8.76	8.76
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	585.81	596.49	576.71	41.4	41.8	41.7	14.15	14.27	13.83
WHOLESALE TRADE	407.95	399.21	394.22	39.8	39.1	39.7	10.25	10.21	9.93
RETAIL TRADE[h]	185.74	190.74	180.06	28.4	28.9	28.4	6.54	6.60	6.34
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	293.21	289.87	299.57	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	343.56	344.32	338.71	31.9	32.0	32.6	10.77	10.76	10.39

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	5,964	5,760	9,376
Active File of Job Seekers	59,045	60,494	104,001
Referrals to Jobs	2,634	2,168	4,245
Placements	425	330	2,046
Job Openings Received	1,391	1,470	1,840
Job Openings Unfilled	2,624	2,803	2,739
Unemployment Insurance Program			
Initial Claims	6,325	6,008	8,829
Continued Claims	51,324	53,758	68,236
First Payments	2,516	2,541	3,555
Last Payments	994	966	1,204
Weeks Compensated	44,791	43,014	55,585
Benefits Paid	$6,460,162	$6,144,287	$8,231,189
Average Weekly Payment	$147.11	$145.34	$150.51

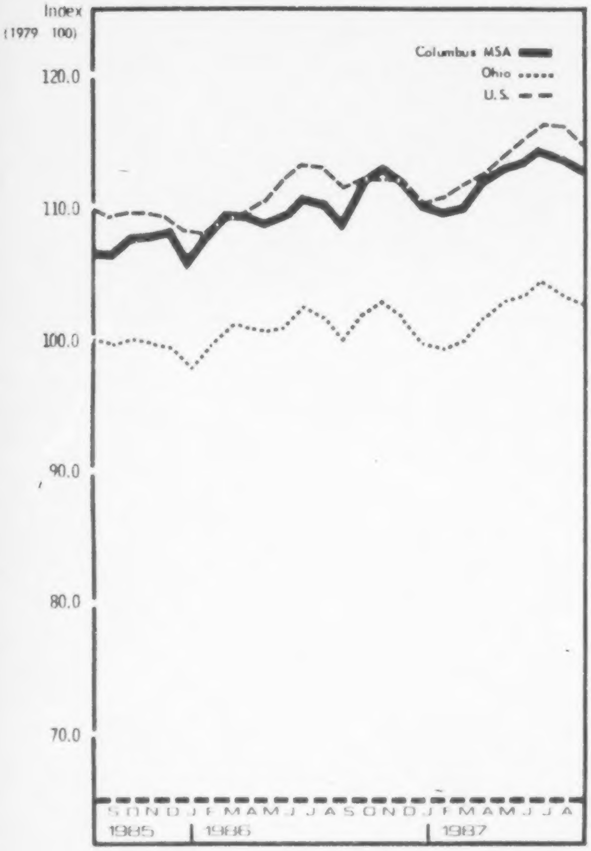
COLUMBUS
METROPOLITAN STATISTICAL AREA



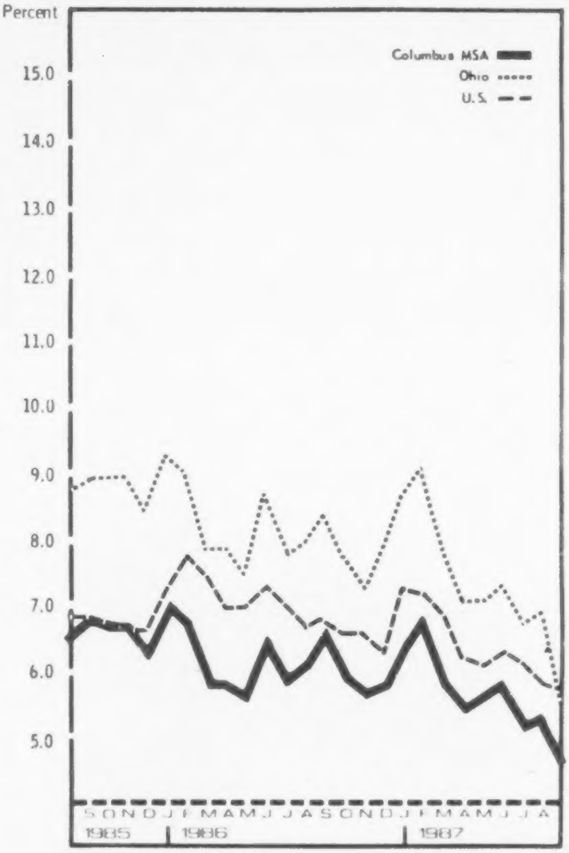
Nonfarm wage and salary employment in the Columbus metropolitan area totaled 671,100 in October, up 7,800 from September. The return of nonteaching personnel to state and local educational institutions accounted for most of the change. Retail trade also had a significant increase for the month. Manufacturing employment, at 102,600, was unchanged, as losses in transportation equipment were offset by scattered improvements in durable- and nondurable-goods industries. Factory production workers earned an average of $11.49 per hour, up slightly from September. Their average workweek was 42.5 hours, up .8 hours.

Since October 1986, nonfarm employment increased 26,000. Growth in services, retail trade, and construction contributed most to the improvement, although all nonmanufacturing industries recorded gains. Losses in transportation equipment and fabricated metal products offset improvements in durable- and nondurable-goods industries, decreasing manufacturing employment 2,700 over the period.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

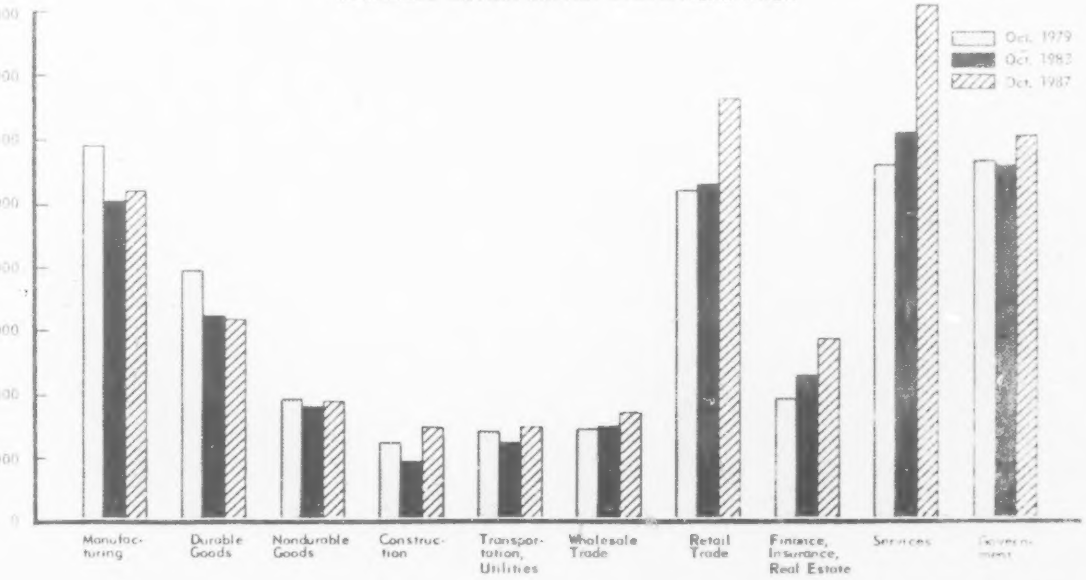


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
671.2	626.7	44.4	6.6	September	638.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.6	635.4	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
682.2	645.7	36.5	5.4	April	650.6	103.0	68.2	466.49	41.1	11.35
691.2	652.2	39.0	5.6	May	656.6	102.6	67.9	474.24	41.6	11.40
696.4	656.1	40.3	5.8	June	661.0	103.1	68.2	473.10	41.5	11.40
697.2	661.3	35.9	5.1	July	653.4	102.3	67.3	474.12	41.3	11.48
692.2	655.6	36.6	5.3	August	657.9	102.7	67.7	467.72	41.1	11.38
682.4	650.9	31.5	4.6	September	663.2	102.6	67.6	477.88	41.7	11.46
INA	INA	INA	INA	October	671.1	102.6	67.4	488.33	42.5	11.49

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Changed (in thousands)	
	October 1987[b]	September 1987[c]	October 1986[c]	From Last Month	From Last Year
TOTAL	671.1	663.2	645.0	7.8	26.0
MANUFACTURING	102.6	102.6	105.2	.0	-2.7
Durable Goods[e]	64.4	64.7	68.4	-.3	-4.0
Stone, clay, and glass products	10.1	10.2	10.5	-.1	-.4
Glass and glassware, pressed or blown	4.2	4.2	3.2[j]	-.1	1.0
Fabricated metal products	9.0	8.9	10.1	.0	-1.2
Fabricated structural metal products	2.8	2.8	3.0	.0	-.2
Machinery, except electrical	9.6	9.6	8.8	.1	.8
Electric and electronic equipment	10.8	10.7	11.3	.1	-.5
Transportation equipment	13.2	13.7	16.3	-.5	-3.1
Instruments and related products	4.1	4.1	4.0	.0	.1
Nondurable Goods[f]	38.2	37.9	36.8	.3	1.3
Food and kindred products	10.6	10.7	10.0	-.1	.6
Printing and publishing	10.0	9.9	9.9	.1	.1
Chemicals and allied products	7.1	7.2	7.0	.0	.1
Rubber and misc. plastics products	5.8	5.7	5.5	.1	.4
NONMANUFACTURING[g]	568.5	560.6	539.8	7.9	28.7
CONSTRUCTION	30.1	29.9	26.8	.2	3.2
TRANSPORTATION AND PUBLIC UTILITIES	29.8	29.7	28.2	.1	1.6
Trucking and warehousing	12.0	11.9	11.2	.0	.7
Communication, electric, gas services	12.4	12.4	12.2	.0	.2
WHOLESALE TRADE	33.8	33.4	32.6	.4	1.2
Wholesale trade-durable goods	22.1	21.7	21.2	.3	.9
RETAIL TRADE	132.8	131.8	127.7	1.0	5.1
General merchandise stores	19.3	18.4	19.0	.9	.3
FINANCE, INSURANCE, AND REAL ESTATE	57.4	57.3	54.6	.0	2.7
Banking	12.0	12.0	11.6	.0	.4
Insurance carriers	21.8	21.7	21.1	.0	.7
SERVICES	162.2	161.9	149.8	.4	12.4
Business services	38.4	37.7	34.3	.7	4.2
Health services	41.1	40.8	38.3	.3	2.8
Hospitals	17.6	17.6	16.7	.0	.9
GOVERNMENT	121.4	115.7	119.0	5.7	2.4
Federal government	15.4	15.5	15.5	.0	.0
State government	53.6	48.5	52.3	5.1	1.2
State government education[i]	22.8	17.7	22.8	5.1	.1
State government, except education	30.7	30.7	29.6	.0	1.2
Local government	52.4	51.8	51.2	.6	1.2
Local government education	31.6	30.7	30.7	.9	.9
Local government, except education	20.8	21.1	20.5	-.3	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

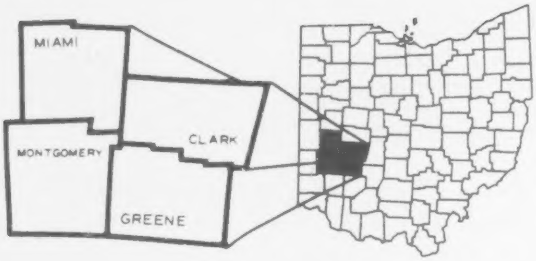
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]
MANUFACTURING	$488.33	$477.88	$459.82	42.5	41.7	40.8	$11.49	$11.46	$11.27
Durable Goods[e]	503.22	487.06	472.80	42.9	41.7	40.9	11.73	11.68	11.56
Stone, clay, and glass products	476.27	495.52	472.42	41.2	42.1	39.9	11.56	11.77	11.84
Glass and glassware, pressed or blown	432.73	458.71	489.81	39.7	41.4	43.5	10.90	11.08	11.26
Fabricated metal products	530.24	503.05	474.36	42.9	41.2	40.2	12.36	12.21	11.80
Fabricated structural metal products	489.86	437.13	421.87	44.9	41.2	40.8	10.91	10.61	10.34
Machinery, except electrical	441.32	450.70	445.46	41.4	42.2	41.4	10.66	10.68	10.76
Electric and electronic equipment	467.81	453.53	445.82	41.0	40.1	40.2	11.41	11.31	11.09
Transportation equipment	662.23	595.01	552.55	47.1	43.4	42.8	14.06	13.71	12.91
Instruments and related products	428.89	432.60	389.05	41.2	42.0	40.4	10.41	10.30	9.63
Nondurable Goods[f]	461.05	460.37	432.39	41.8	41.7	40.6	11.03	11.04	10.65
Food and kindred products	440.00	440.49	421.48	40.0	40.9	41.2	11.00	10.77	10.23
Printing and publishing	545.38	550.51	499.70	40.7	40.9	39.1	13.40	13.46	12.78
Chemicals and allied products	560.19	549.83	507.17	42.6	42.1	41.2	13.15	13.06	12.31
Rubber and misc. plastics products	366.61	363.72	341.14	43.8	43.3	41.3	8.37	8.40	8.26
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	571.54	584.63	575.71	41.0	41.7	41.9	13.94	14.02	13.74
WHOLESALE TRADE	356.74	355.36	341.38	38.4	38.5	38.4	9.29	9.23	8.89
RETAIL TRADE[h]	175.23	173.76	166.16	28.4	28.3	28.5	6.17	6.14	5.83
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	261.84	257.19	244.33	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	335.82	333.12	321.30	34.8	34.7	34.0	9.65	9.60	9.45

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	5,991	5,295	4,935
Active File of Job Seekers	32,097	32,234	35,113
Referrals to Jobs	3,977	3,029	3,238
Placements	1,765	1,546	1,048
Job Openings Received	2,576	2,037	2,795
Job Openings Unfilled	3,147	3,526	5,813
Unemployment Insurance Program			
Initial Claims	4,310	3,908	6,181
Continued Claims	34,101	34,617	39,960
First Payments	1,877	1,884	2,225
Last Payments	564	674	683
Weeks Compensated	29,318	27,138	31,816
Benefits Paid	$4,593,548	$4,109,616	$4,768,884
Average Weekly Payment	$160.32	$155.27	$153.31

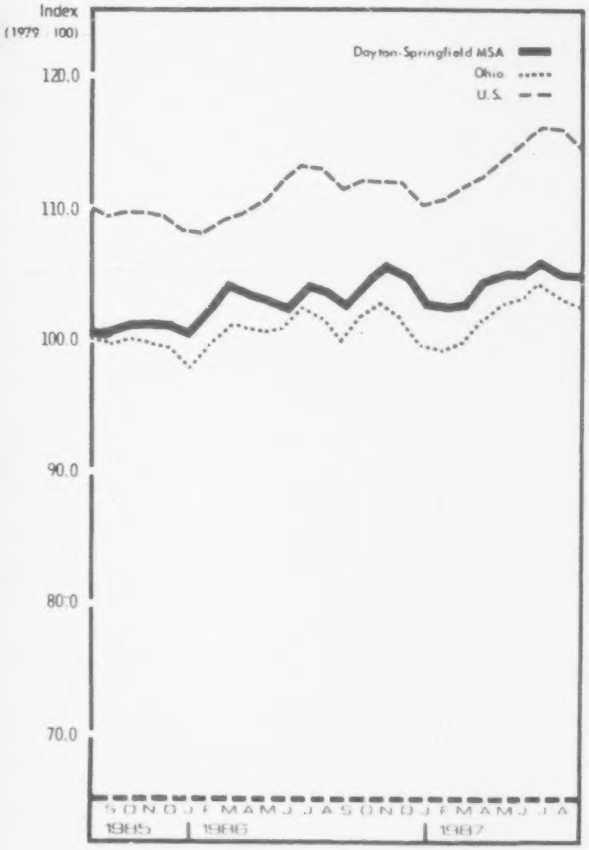
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



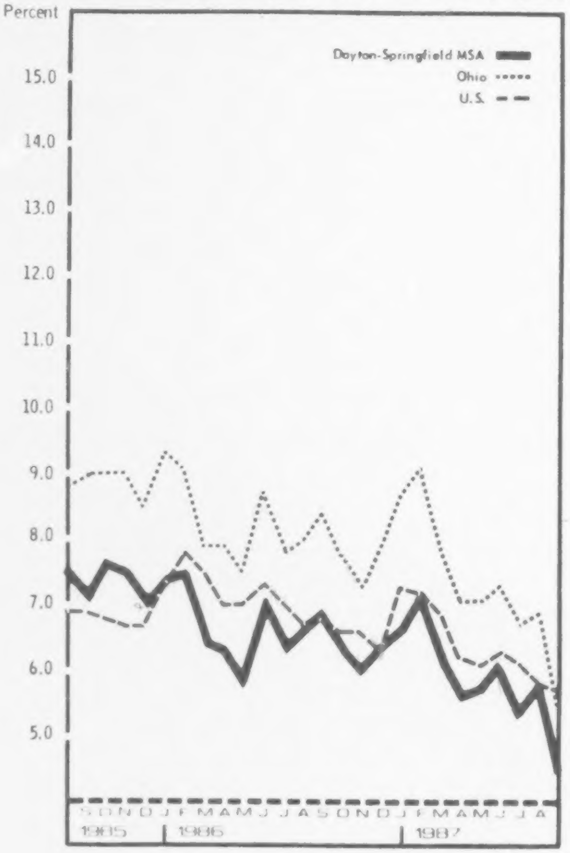
Nonagricultural wage and salary employment in the Dayton-Springfield area totaled 440,200 in October, up 2,600 from the September level. Nonmanufacturing employment rose 3,500 over the month, with increases occurring in state and local schools, services, and retail trade. Manufacturing employment was down 900 over the month with decreases in transportation equipment, nonelectrical machinery, and electric and electronic equipment. Production workers earned an average of $11.91 in October, up $.13 from September. Their average workweek of 42.5 hours was 1.1 hours longer.

Nonagricultural employment in the Dayton-Springfield area was up 10,400 from October 1986. Most of the increase occurred in services, construction, and retail trade. Manufacturing employment declined 2,100 over the year, with losses in nonelectrical machinery and transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

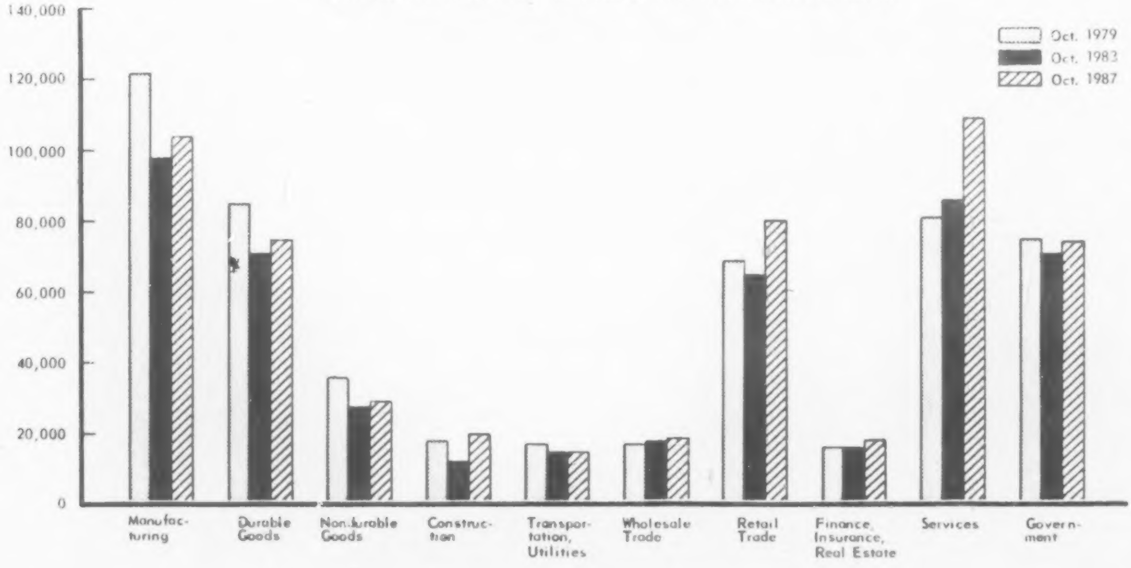


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
462.2	428.7	33.5	7.2	February	423.9	105.1	67.9	505.56	42.2	11.98
457.8	430.1	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85
462.4	436.4	26.0	5.6	April	431.4	105.2	68.0	486.10	41.3	11.77
466.0	439.2	26.7	5.7	May	433.8	104.7	67.5	486.04	41.4	11.74
467.3	439.0	28.4	6.1	June	433.5	104.7	67.3	502.18	42.2	11.90
467.3	442.5	24.8	5.3	July	428.7	104.1	66.1	492.19	41.5	11.86
465.5	438.7	26.8	5.8	August	431.4	104.6	66.7	492.89	41.7	11.82
459.1	438.3	20.9	4.5	September	437.6	105.2	67.9	487.69	41.4	11.78
INA	INA	INA	INA	October	440.2	104.3	67.2	506.18	42.5	11.91

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1987[b]	September 1987[c]	October 1986[c]	From Last Month	From Last Year
TOTAL	440.2	437.6	429.7	2.6	10.4
MANUFACTURING	104.3	105.2	106.4	- .9	- 2.1
Durable Goods[e]	74.9	75.7	76.9	- .9	- 2.0
Fabricated metal products	8.1	8.1	8.3	.0	- .2
Machinery, except electrical	30.3	30.5	31.5	- .2	- 1.2
Metalworking machinery	6.5	6.6	6.9	- .1	- .4
General industrial machinery	2.6	2.6	2.6	.1	.0
Electric and electronic equipment	5.8	6.1	5.9	- .2	.0
Electrical industrial apparatus	3.3	3.5	3.4	- .2	- .1
Transportation equipment	21.0	21.3	22.1	- .3	- 1.1
Nondurable Goods[f]	29.4	29.4	29.4	.0	.0
Food and kindred products	3.0	3.0	2.9	.0	.1
Paper and allied products	6.2	6.2	5.8	.0	.4
Printing and publishing	8.8	8.7	8.6	.1	.2
Rubber and misc. plastics products	7.7	7.7	8.3	.0	- .6
NONMANUFACTURING[g]	335.8	332.4	323.4	3.5	12.5
CONSTRUCTION	20.3	20.1	17.0	.1	3.3
TRANSPORTATION AND PUBLIC UTILITIES	15.2	15.2	15.1	.0	.1
Communication, electric, gas services	5.6	5.7	6.1	- .1	- .5
WHOLESALE TRADE	19.4	19.2	19.0	.3	.4
Wholesale trade-durable goods	13.4	13.3	12.9	.2	.5
RETAIL TRADE	80.0	79.5	77.9	.5	2.2
General merchandise stores	11.7	11.3	12.0	.4	- .3
FINANCE, INSURANCE, AND REAL ESTATE	17.9	18.0	17.5	- .1	.4
Banking	4.4	4.4	4.2	- .1	.1
Credit agencies other than banks	4.6	4.6	4.6	.1	.1
Insurance carriers	2.7	2.7	2.9	.0	- .2
SERVICES	109.1	108.5	103.0	.6	6.1
Business services	27.5	27.2	25.0	.3	2.5
Health services	36.0	36.0	34.5	.1	1.5
Hospitals	18.5	18.5	18.0	.0	.5
Educational services	7.2	6.6	7.3	.6	- .1
GOVERNMENT	73.5	71.5	73.4	2.0	.1
Federal government	28.4	28.4	27.4	.0	1.0
State government	7.3	6.4	7.0	1.0	.4
State government education[i]	4.4	3.4	4.4	1.0	.0
State government, except education	2.9	2.9	2.6	.0	.3
Local government	37.7	36.7	39.0	1.1	- 1.3
Local government education	23.1	21.9	24.6	1.2	- 1.5
Local government, except education	14.6	14.8	14.4	- .2	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

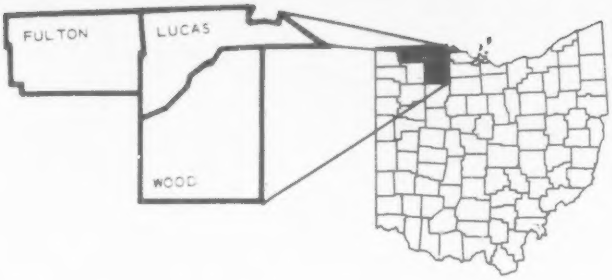
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]
MANUFACTURING	$506.18	$487.69	$502.74	42.5	41.4	42.0	$11.91	$11.78	$11.97
Durable Goods[e]	510.56	496.80	511.98	42.3	41.4	42.0	12.07	12.00	12.19
Fabricated metal products	379.96	367.35	384.70	41.3	39.8	41.1	9.20	9.23	9.36
Machinery, except electrical	555.09	533.81	541.86	43.4	41.9	42.7	12.79	12.74	12.69
Metalworking machinery	553.10	526.11	515.96	45.9	44.1	43.8	12.05	11.93	11.78
General industrial machinery	455.34	446.89	437.00	42.2	40.7	41.5	10.79	10.98	10.53
Electric and electronic equipment	425.42	427.20	396.53	44.5	44.5	42.5	9.56	9.60	9.33
Electrical industrial apparatus	511.58	499.11	484.20	47.5	46.3	45.0	10.77	10.78	10.76
Transportation equipment	598.22	588.14	604.85	41.2	41.1	41.8	14.52	14.31	14.47
Nondurable Goods[f]	491.63	461.90	474.73	42.9	41.5	41.9	11.46	11.13	11.33
Food and kindred products	361.49	408.56	326.02	43.5	46.8	40.2	8.31	8.73	8.11
Paper and allied products	499.96	500.65	483.19	45.7	46.1	45.8	10.94	10.86	10.55
Printing and publishing	449.35	455.63	418.86	40.3	40.5	39.0	11.15	11.25	10.74
Rubber and misc. plastics products	633.05	515.22	593.28	43.3	37.2	41.2	14.62	13.85	14.40
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	545.66	548.37	540.27	40.3	40.5	40.5	13.54	13.54	13.34
WHOLESALE TRADE	429.51	433.21	403.03	41.7	42.1	41.0	10.30	10.29	9.83
RETAIL TRADE[h]	163.59	161.88	158.42	28.7	28.5	28.7	5.70	5.68	5.52
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	364.23	364.57	341.35	34.2	34.2	33.4	10.65	10.66	10.22

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	2,754	2,525	2,869
Active File of Job Seekers	19,739	19,167	24,264
Referrals to Jobs	1,456	1,347	1,199
Placements	318	288	289
Job Openings Received	978	822	831
Job Openings Unfilled	2,492	2,163	1,433
Unemployment Insurance Program			
Initial Claims	2,455	2,695	3,010
Continued Claims	18,356	21,110	24,057
First Payments	1,261	1,299	1,264
Last Payments	370	335	442
Weeks Compensated	17,940	17,303	20,054
Benefits Paid	$2,465,880	$2,400,425	$2,759,061
Average Weekly Payment	$140.36	$141.73	$140.53

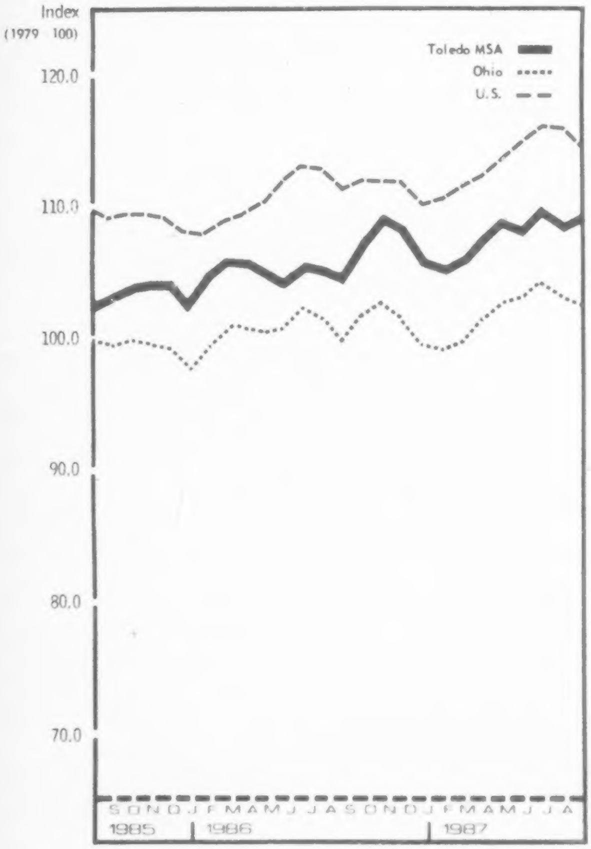
TOLEDO
METROPOLITAN STATISTICAL AREA



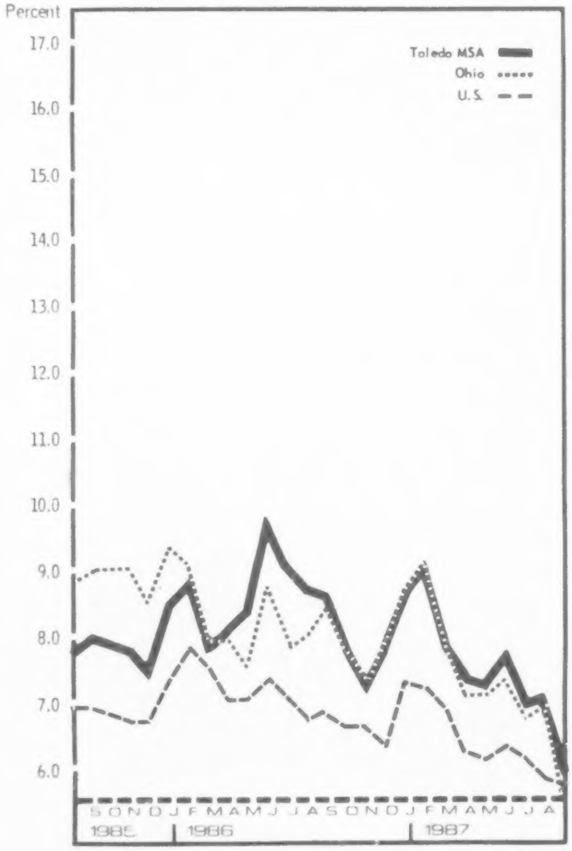
In October, the Toledo MSA nonagricultural wage and salary employment level rose 2,300 from September, to 291,100. The advancement was concentrated in nonmanufacturing industries, particularly in state and local government education and retail trade. Manufacturing employment declined 1,200 due chiefly to seasonal reductions in the canning industry and losses in electric and electronic equipment. Production workers earned an average of $12.70 per hour for a 42.0 hour workweek, both down slightly from September.

Total nonfarm employment increased 11,100 since October 1986. Growth in health and business services, retail trade, and construction contributed most to the gain. Although modest improvement occurred in nondurable-goods industries, losses in durable goods, especially in stone, clay, and glass products and electric and electronic equipment, lowered manufacturing employment 1,500 over the period.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

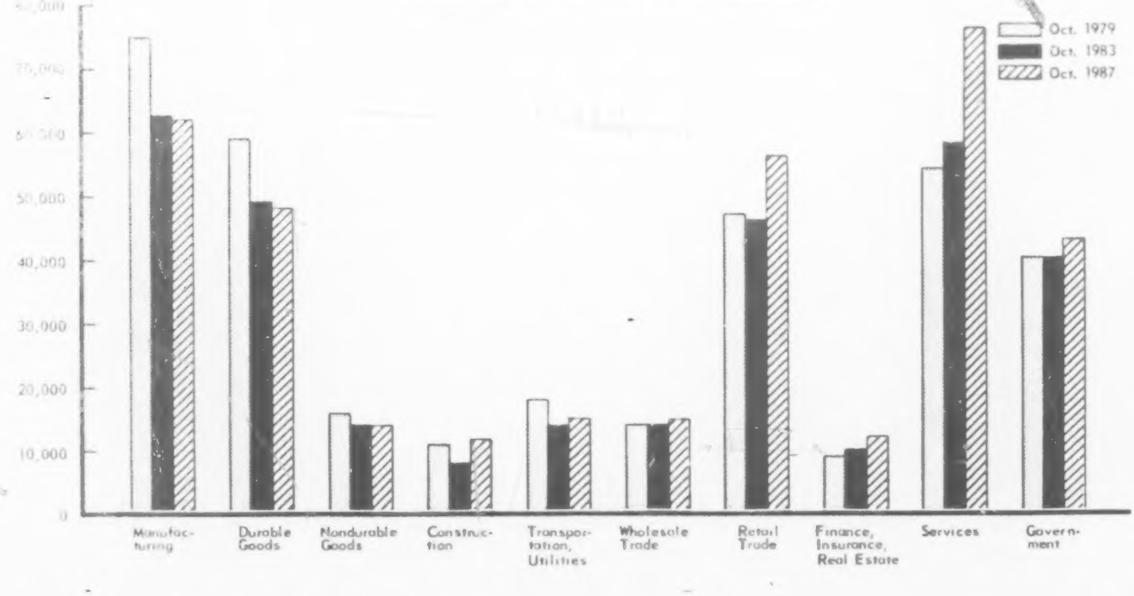


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
307.3	282.9	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
310.9	287.9	23.0	7.4	April	282.7	62.3	44.0	537.21	42.4	12.67
314.0	291.1	22.8	7.3	May	285.6	62.0	43.5	532.55	41.9	12.71
313.7	289.3	24.4	7.8	June	283.8	62.2	43.6	529.19	41.8	12.66
315.4	293.4	22.0	7.0	July	282.3	61.7	43.0	523.27	41.3	12.67
311.9	289.6	22.3	7.1	August	282.9	62.7	44.0	534.66	42.4	12.61
309.6	291.2	18.4	5.9	September	288.7	63.1	44.4	539.33	42.4	12.72
INA	INA	INA	INA	October	291.1	61.9	43.5	533.40	42.0	12.70

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1987[b]	September 1987[c]	October 1986[c]	From Last Month	From Last Year
TOTAL	291.1	288.7	280.0	2.3	11.1
MANUFACTURING	61.9	63.1	63.4	- 1.2	- 1.5
Durable Goods[e]	47.6	48.2	49.6	- .5	- 2.0
Stone, clay, and glass products	8.0	8.0	8.6	.0	- .6
Primary metal industries	3.1	3.2	3.2	- .1	- .1
Fabricated metal products	7.1	7.2	7.5	- .1	- .4
Metal forgings and stampings	3.0	3.1	3.2	- .1	- .2
Machinery, except electrical	6.1	6.2	6.1	- .1	.0
Electric and electronic equipment	2.4	2.7	3.0	- .3	- .6
Transportation equipment	16.2	16.3	16.7	- .1	- .5
Motor vehicles and equipment	15.3	15.4	15.7	- .1	- .4
Nondurable Goods[f]	14.2	14.9	13.8	- .7	.5
Food and kindred products	3.7	4.4	3.3	- .7	.4
Rubber and misc. plastics products	3.2	3.1	3.1	.1	.1
NONMANUFACTURING[g]	229.2	225.6	216.6	3.5	12.6
CONSTRUCTION	12.2	12.0	11.1	.2	1.1
TRANSPORTATION AND PUBLIC UTILITIES	14.9	14.9	14.5	- .1	.4
Trucking and warehousing	5.9	5.9	5.7	.0	.3
Communication, electric, gas services	5.1	5.1	5.1	.0	.0
WHOLESALE TRADE	14.9	14.8	14.5	.2	.4
Wholesale trade-durable goods	9.8	9.7	9.7	.2	.2
RETAIL TRADE	56.0	55.4	53.5	.6	2.5
General merchandise stores	7.5	7.2	7.3	.3	.1
FINANCE, INSURANCE, AND REAL ESTATE	11.6	11.6	11.3	.0	.3
Banking	3.6	3.6	3.5	.0	.1
SERVICES	76.1	75.8	68.5	.3	7.5
Business services	15.3	15.1	13.2	.2	2.1
Health services	29.9	29.9	26.3	.0	3.6
Hospitals	15.5	15.5	14.9	.0	.6
GOVERNMENT	43.3	41.0	42.9	2.3	.4
State government	16.2	14.5	16.3	1.8	- .1
State government education[i]	12.2	10.3	12.4	1.9	- .2
State government, except education	4.0	4.1	3.9	- .1	.1
Local government	24.5	23.9	24.0	.6	.5
Local government education	14.3	13.6	13.8	.6	.5
Local government, except education	10.2	10.3	10.2	- .1	.0

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]
MANUFACTURING	$533.40	$539.33	$531.65	42.0	42.4	42.6	$12.70	$12.72	$12.48
Durable Goods[e]	555.72	559.63	550.82	42.1	42.3	42.6	13.20	13.23	12.93
Stone, clay, and glass products	506.62	507.99	540.86	40.4	41.0	43.2	12.54	12.39	12.52
Primary metal industries	482.46	441.57	468.42	43.9	40.4	42.2	10.99	10.93	11.10
Fabricated metal products	542.20	539.30	528.96	43.1	42.7	42.9	12.58	12.63	12.33
Metal forgings and stampings	686.60	676.01	627.59	45.5	45.4	44.7	15.09	14.89	14.04
Machinery, except electrical	486.45	496.08	494.49	41.4	42.4	43.3	11.75	11.70	11.42
Electric and electronic equipment	486.00	510.84	576.58	40.5	40.9	44.8	12.00	12.49	12.87
Transportation equipment	651.35	672.19	641.27	41.7	43.2	42.3	15.62	15.56	15.16
Motor vehicles and equipment	653.95	674.08	643.81	41.6	43.1	42.3	15.72	15.64	15.22
Nondurable Goods[f]	456.20	472.94	463.06	41.7	42.8	42.6	10.94	11.05	10.87
Food and kindred products	532.52	509.08	612.77	43.4	43.4	47.1	12.27	11.73	13.01
Rubber and misc. plastics products	325.22	352.67	323.52	40.2	42.8	40.9	8.09	8.24	7.91
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	595.75	611.29	637.28	41.2	42.1	43.5	14.46	14.52	14.65
WHOLESALE TRADE	351.94	360.21	353.02	37.6	37.6	38.0	9.36	9.58	9.29
RETAIL TRADE[h]	161.74	161.37	155.84	29.3	29.5	28.7	5.52	5.47	5.43

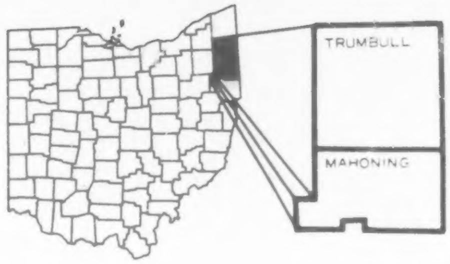
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	2,779	2,173	2,409
Active File of Job Seekers	16,108	12,890	24,024
Referrals to Jobs	1,882	1,406	1,176
Placements	575	748	396
Job Openings Received	1,048	974	494
Job Openings Unfilled	1,266	1,110	936
Unemployment Insurance Program			
Initial Claims	3,214	3,237	4,090
Continued Claims	21,229	21,784	21,624
First Payments	1,953	857	1,217
Last Payments	351	325	414
Weeks Compensated	16,392	16,266	18,125
Benefits Paid	$2,367,855	$2,316,646	$2,629,836
Average Weekly Payment	$148.05	$145.41	$149.11

YOUNGSTOWN - WARREN

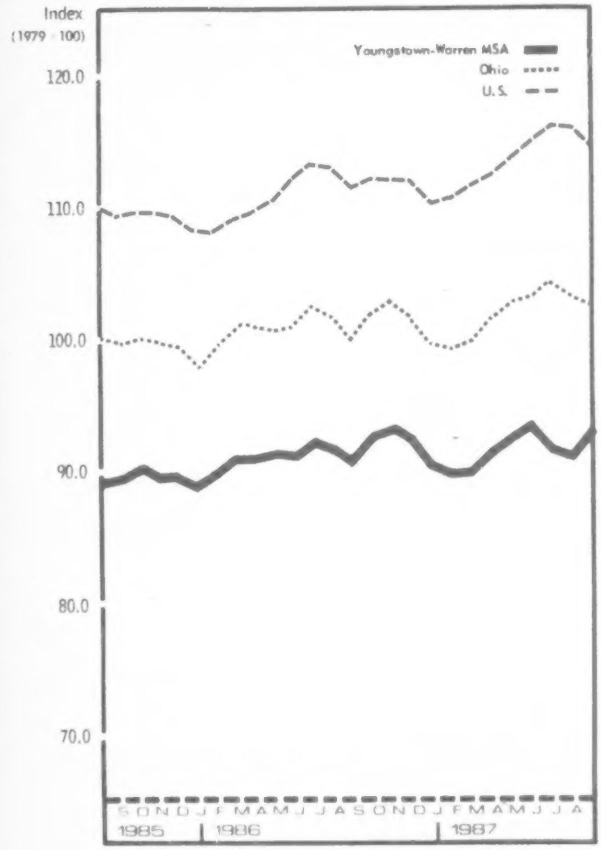
METROPOLITAN STATISTICAL AREA



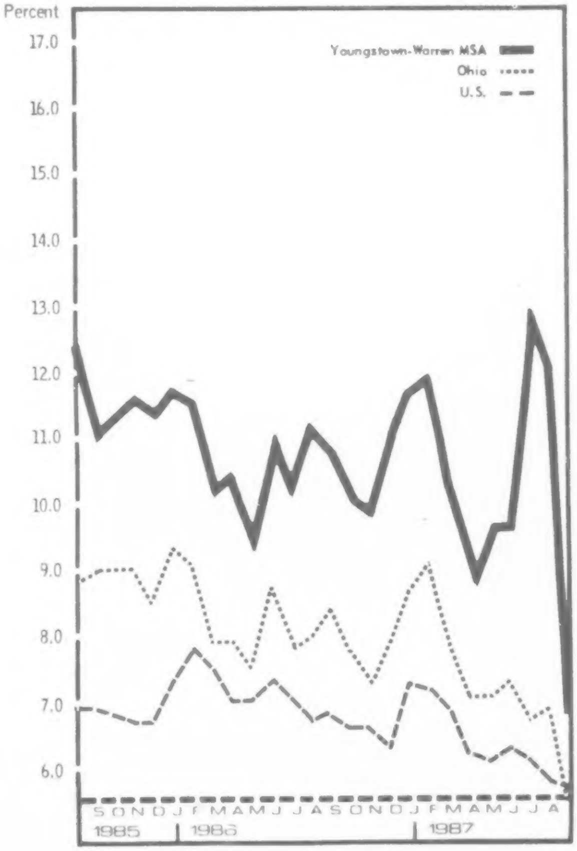
In the Youngstown-Warren area nonagricultural wage and salary employment totaled 196,400 in October, an increase of 700 from September. Nonmanufacturing employment rose 1,000, as nonteaching employees in state and local schools and colleges returned to work. Manufacturing employment declined 200 during the period. Factory workers earned an average of $13.28 per hour, down $.15 from the previous month, and worked an average of 42.7 hours, down .6 hours.

Over the year, nonagricultural wage and salary employment rose 4,700. Improvements occurred in nonmanufacturing, with increases in construction; services, especially health services; and retail trade. Factory employment declined 300, due largely to losses in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

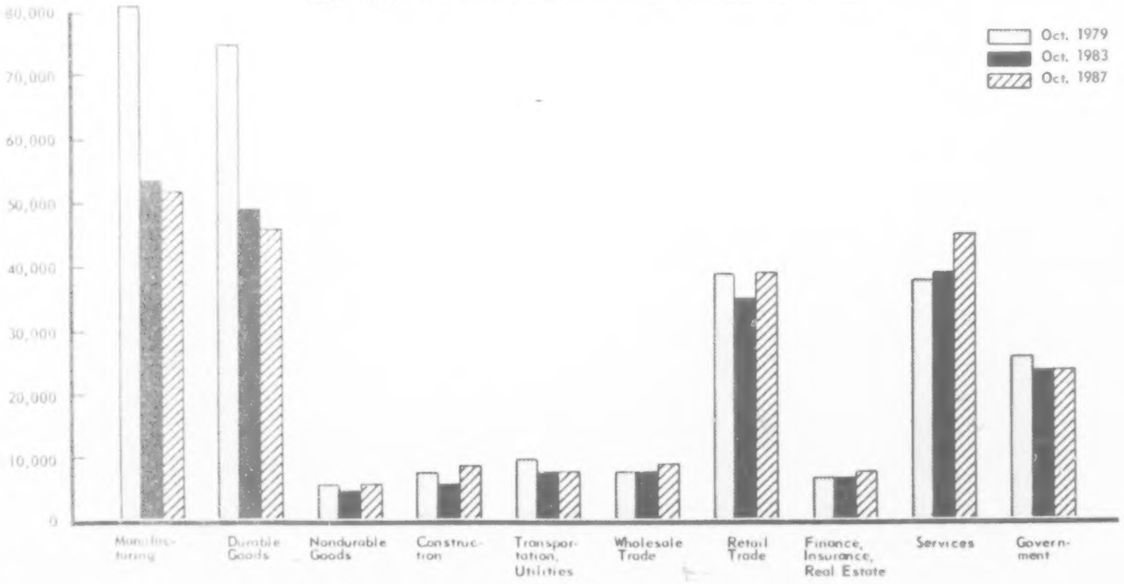


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.5	198.1	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
221.0	201.7	19.3	8.7	April	191.3	51.6	38.9	571.94	43.1	13.27
225.5	204.0	21.6	9.6	May	193.3	50.9	38.2	565.78	42.7	13.25
227.2	205.5	21.8	9.6	June	194.8	51.1	38.3	566.67	42.8	13.24
231.2	201.4	29.8	12.9	July	187.2	45.5	32.8	541.80	42.0	12.90
228.0	200.7	27.3	12.0	August	189.3	47.7	35.1	548.98	42.1	13.04
219.4	204.4	15.0	6.8	September	195.6	52.3	39.4	581.52	43.3	13.43
INA	INA	INA	INA	October	196.4	52.1	39.4	567.06	42.7	13.28

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown - Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1987[b]	September 1987[c]	October 1986[c]	From Last Month	From Last Year
TOTAL	196.4	195.6	191.7	.7	4.7
MANUFACTURING	52.1	52.3	52.3	-.2	-.3
Durable Goods[e]	46.5	46.7	46.7	-.2	-.1
Primary metal industries	20.4	20.4	19.9	.0	.5
Blast furnace and basic steel products	6.8	6.7	6.4	.0	.4
Fabricated metal products	7.8	7.8	7.7	.0	.1
Machinery, except electrical	3.2	3.4	3.7	-.2	-.5
Electric and electronic equipment	2.3	2.2	2.4	.0	-.2
Transportation equipment	9.6	9.7	9.8	-.1	-.2
Nondurable Goods[f]	5.6	5.6	5.7	.0	-.1
NONMANUFACTURING[g]	144.3	143.3	139.4	1.0	4.9
CONSTRUCTION	9.4	9.2	7.9	.2	1.5
TRANSPORTATION AND PUBLIC UTILITIES	8.3	8.3	8.1	.0	.2
Communication, electric, gas services	3.1	3.1	3.2	.0	.0
WHOLESALE TRADE	9.5	9.5	9.0	.0	.5
Wholesale trade-durable goods	6.1	6.0	5.9	.0	.2
RETAIL TRADE	39.0	38.6	37.7	.4	1.3
General merchandise stores	5.7	5.5	5.7	.2	.0
FINANCE, INSURANCE, AND REAL ESTATE	8.4	8.4	8.1	.0	.2
Banking	2.8	2.8	2.7	.0	.0
SERVICES	45.2	45.9	43.7	-.7	1.5
Health services	20.2	20.2	19.2	.1	1.0
Hospitals	10.4	10.4	10.3	.0	.2
GOVERNMENT	24.0	22.9	24.2	1.1	-.2
State government	3.9	3.3	3.8	.7	.1
State government education[i]	2.4	1.8	2.4	.7	.1
State government, except education	1.5	1.5	1.5	.0	.1
Local government	18.0	17.6	18.3	.4	-.4
Local government education	11.6	11.1	11.8	.5	-.2
Local government, except education	6.4	6.4	6.5	-.1	-.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]	Oct. 1987[b]	Sept. 1987[c]	Oct. 1986[c]
MANUFACTURING	$567.06	$581.52	$544.75	42.7	43.3	41.3	$13.28	$13.43	$13.19
Durable Goods[e]	581.65	596.39	563.57	42.8	43.5	41.5	13.59	13.71	13.58
Primary metal industries	624.02	665.42	585.27	42.8	44.9	40.7	14.58	14.82	14.38
Blast furnace and basic steel products	633.70	634.33	625.19	45.2	46.2	42.1	14.02	13.73	14.85
Fabricated metal products	528.43	510.63	525.29	40.4	39.8	40.5	13.08	12.83	12.97
Machinery, except electrical	474.62	469.34	456.84	41.2	40.6	40.5	11.52	11.56	11.28
Electric and electronic equipment	450.64	418.82	424.79	40.2	37.8	39.7	11.21	11.08	10.70
Transportation equipment	655.86	660.96	665.58	45.8	45.9	44.7	14.32	14.40	14.89
Nondurable Goods[f]	423.02	429.11	366.21	41.8	41.3	39.0	10.12	10.39	9.39
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	549.44	557.44	544.45	40.4	40.6	40.6	13.60	13.73	13.41
WHOLESALE TRADE	339.82	341.71	333.87	37.8	37.8	38.2	8.99	9.04	8.74
RETAIL TRADE[h]	175.81	174.64	168.13	29.4	29.4	29.6	5.98	5.94	5.68

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	2,193	2,067	2,439
Active File of Job Seekers	17,220	17,771	30,537
Referrals to Jobs	1,809	1,670	1,473
Placements	597	261	638
Job Openings Received	920	615	715
Job Openings Unfilled	901	897	481
Unemployment Insurance Program			
Initial Claims	3,322	3,170	5,057
Continued Claims	15,422	18,294	21,981
First Payments	784	973	1,234
Last Payments	303	309	343
Weeks Compensated	13,005	15,007	18,890
Benefits Paid	$1,726,378	$2,025,944	$2,616,189
Average Weekly Payment	$137.12	$139.90	$144.06

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	October 1987	September 1987	October 1986
New Applicants	45,283	40,724	47,399
Active File of Job Seekers	281,582	270,888	383,317
Counseling Interviews	1,544	1,073	2,006
Tests Administered	4,706	3,584	3,689
General Aptitude Tests	220	146	234
Proficiency Tests	611	495	626
Specific Aptitude Tests	891	891	340
Referrals to Jobs	31,324	26,887	27,901
Placements	9,231	7,808	9,097
Job Openings Received	15,342	14,037	14,076
Job Openings Unfilled	22,078	24,185	25,266

Selected Unemployment Insurance Activities

	October 1987	September 1987	October 1986
Initial Claims	47,415	43,944	64,026
Continued Claims	321,042	338,667	440,344
First Payments	16,813	17,634	27,100
Last Payments	5,715	5,642	7,129
Average Weekly Claimants	73,510	74,932	94,674
Average Weekly Benefit Recipients	59,312	60,664	70,787
Weeks Compensated	276,992	262,226	357,975
Benefits Paid	$40,773,926	$37,742,851	$53,193,183
Average Weekly Payment	$151.00	$147.53	$152.46
Continued Claims for Survey Week	75,868	76,033	96,893
Insured Unemployment Rate	1.7	1.8	2.3
Net Contributions	$36,060,355	$5,135,115	$51,220,629
Active Employer Accounts	197,306	196,665	193,052

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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Ohio
Labor
Market
Information

Labor Market Review

November 1987

Summary. In November, Ohio's seasonally adjusted unemployment rate was 5.9 percent, up slightly from October. The U.S. rate, also 5.9 percent, was fractionally lower. Total employment in Ohio rose 66,000, to a new all-time high of 4,942,000. The number of unemployed workers, at 309,000, was 9,000 above the October level. Seasonally adjusted nonagricultural wage and salary employment in Ohio totaled 4,628,000 in November, up 18,000 from October. (See page 3.)

Factory Employment. Manufacturing employment in Ohio advanced 4,000 from October, to 1,095,000 in November. Durable-goods employment, at 736,000, was up 3,000, while employment in nondurable-goods industries rose 1,000, to 359,000. November marked the third month of improvement in manufacturing employment since July.

Nonmanufacturing. Increases in several sectors helped raise nonmanufacturing employment to 3,532,000, up 14,000 from October. Services gained 5,000 jobs, while government employment was up 4,000. Small-to-moderate advances occurred in construction, retail trade, and finance, insurance, and real estate.

Over the Year. Ohio's civilian labor force declined 13,000 from November 1986. Total employment rose 67,000, but the number of unemployed fell 80,000. The unemployment rate dropped from 7.4 percent to 5.9 percent over the year. The national rate also was down during the period, falling from 6.9 percent to 5.9 percent. Nonagricultural wage and salary employment advanced 110,000 from November 1986. The largest gains were in services (+52,000) and retail trade (+24,000). Construction, government, and finance, insurance, and real estate also had notable increases. Manufacturing employment was down 7,000 over the year, as a decline of 11,000 in durable-goods employment was partially offset by an improvement in nondurable goods.

Factory Hours and Earnings. The average weekly earnings of manufacturing production workers in Ohio rose $6.99 from October, to $511.49 in November. Their average workweek of 43.2 hours was .3 hours longer. Nearly all manufacturing industries had increased earnings. The most significant were nonelectrical machinery, fabricated metal products, electric and electronic equipment, chemicals, transportation equipment, and food and kindred products.

Benefits and Costs. In November, there were 61,159 initial claims filed under the Ohio Unemployment Compensation Law, up 29.0 percent from October, but down 9.6 percent from November 1986. The total paid in benefits, at $35.7 million, was down 12.3 percent from October. The average weekly benefit check dropped $.46, to $150.54. There was an increase of 2.7 percent in the average weekly number of benefit recipients. At the end of November, there were 198,160 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

Employment Service. The Ohio Bureau of Employment Services aided 36,556 new job applicants in November, down 19.3 percent from October, and down 3.2 percent from November 1986. There were 9,563 job openings from employers, down 37.7 percent from October.The Employment Services Division made 23,091 referrals and 6,278 placements.

Ohio has become a Wage Record State

Ohio's system of payroll reporting is changing significantly as a result of congressional action taken in 1984. The Social Security Act was amended to require states to establish a system to crossmatch income eligibility data and to collect individual employee wage data from their employers. In Ohio, the Unemployment Compensatation Law was changed to meet the congressional mandate and, simultaneously, to convert from a wage request system to a wage reporting system for unemployment compensation purposes. Under this system, OBES will collect wage data for all employees on a quarterly basis instead of requesting wage information when an application for benefits is filed.

Some of the benefits of the Wage Record System are:
* streamlining of the claims processing procedure;
* revealing of unreported employment; and
* reduction in the number of UC appeals.

For more information about the Wage Record System, contact OBES on the Wage Record Hotline (1-800-654-8098).

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Nov. 1987	Oct. 1987	Nov. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,251	5,176	5,264	75	-13	1.4	-0.2
Employment	4,942	4,876	4,875	66	67	1.4	1.4
Unemployment	309	300	389	9	-80	3.0	-20.6
Unemployment Rate	5.9	5.8	7.4				
Employer Survey Data[e]							
Total	4,628	4,610	4,518	18	110	0.4	2.4
Manufacturing	1,095	1,091	1,103	4	-7	0.4	-0.7
Durable Goods	736	733	747	3	-11	0.4	-1.5
Nondurable Goods	359	358	356	1	3	0.4	1.0
Nonmanufacturing	3,532	3,519	3,415	14	117	0.4	3.4
Mining	20	20	22	0	-2	0.5	-8.3
Construction	179	177	164	2	15	1.2	9.4
Transportation and Public Utilities	211	211	210	0	1	0.2	0.7
Wholesale Trade	252	253	248	0	4	-0.1	1.7
Retail Trade	858	857	833	1	24	0.1	2.9
Finance, Insurance, and Real Estate	246	245	236	1	10	0.3	4.2
Services	1,072	1,067	1,020	5	52	0.5	5.1
Government	694	690	682	4	12	0.6	1.7
Goods Producing Industries[f]	1,294	1,288	1,288	6	6	0.5	0.5
Service Producing Industries[g]	3,333	3,322	3,230	11	104	0.3	3.2

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
					1985				
5,192	4,727	465	9.0	7.0	November	4,410	1,120	763	357
5,185	4,754	431	8.3	7.0	December	4,422	1,123	766	357
					1986				
5,218	4,759	459	8.8	6.8	January	4,438	1,124	767	357
5,325	4,869	456	8.6	7.2	February	4,440	1,122	764	357
5,297	4,896	401	7.6	7.2	March	4,440	1,117	760	356
5,248	4,823	425	8.1	7.1	April	4,459	1,117	761	356
5,214	4,784	430	8.2	7.2	May	4,464	1,112	756	356
5,204	4,752	452	8.7	7.1	June	4,466	1,111	755	356
5,204	4,777	427	8.2	7.0	July	4,472	1,103	749	354
5,185	4,763	422	8.1	6.8	August	4,484	1,103	748	355
5,163	4,734	429	8.3	7.0	September	4,488	1,100	744	355
5,214	4,810	404	7.7	6.9	October	4,497	1,094	739	355
5,264	4,875	389	7.4	6.9	November	4,518	1,103	747	356
5,276	4,861	415	7.9	6.7	December	4,532	1,106	750	356
					1987				
5,287	4,850	437	8.3	6.7	January	4,556	1,106	748	358
5,303	4,848	455	8.6	6.7	February	4,564	1,108	750	358
5,215	4,824	391	7.5	6.6	March	4,563	1,099	741	357
5,223	4,846	377	7.2	6.3	April	4,570	1,098	741	357
5,294	4,878	416	7.9	6.3	May	4,572	1,091	735	356
5,237	4,859	378	7.2	6.1	June	4,567	1,084	731	354
5,240	4,868	372	7.1	6.0	July	4,569	1,076	722	354
5,205	4,841	364	7.0	6.0	August	4,587	1,088	731	357
5,148	4,865	283	5.5	5.9	September	4,598	1,093	736	357
5,176	4,876	300	5.8	6.0	October	4,610	1,091	733	358
5,251	4,942	309	5.9	5.9	November	4,628	1,095	736	359

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
					1985				
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,415	22	164	210	248	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,465	21	170	210	249	March	845	240	1040	688
3,472	21	171	211	249	April	846	242	1045	688
3,481	21	173	211	250	May	847	242	1050	689
3,483	20	174	210	249	June	847	242	1052	689
3,493	20	174	210	250	July	850	243	1060	686
3,500	20	175	210	250	August	853	244	1062	686
3,505	20	175	210	251	September	856	244	1063	685
3,519	20	177	211	253	October	657	245	1067	690
3,532	20	179	211	252	November	858	246	1072	694

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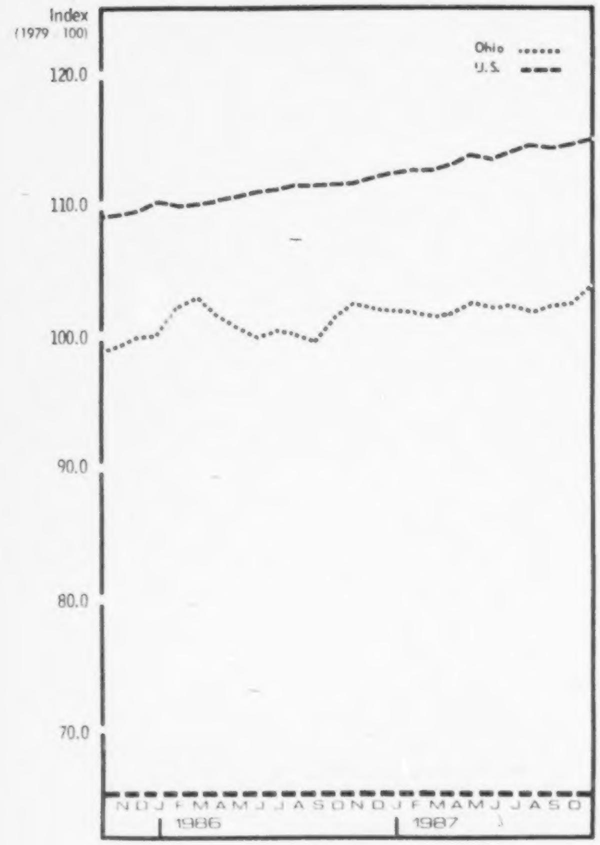
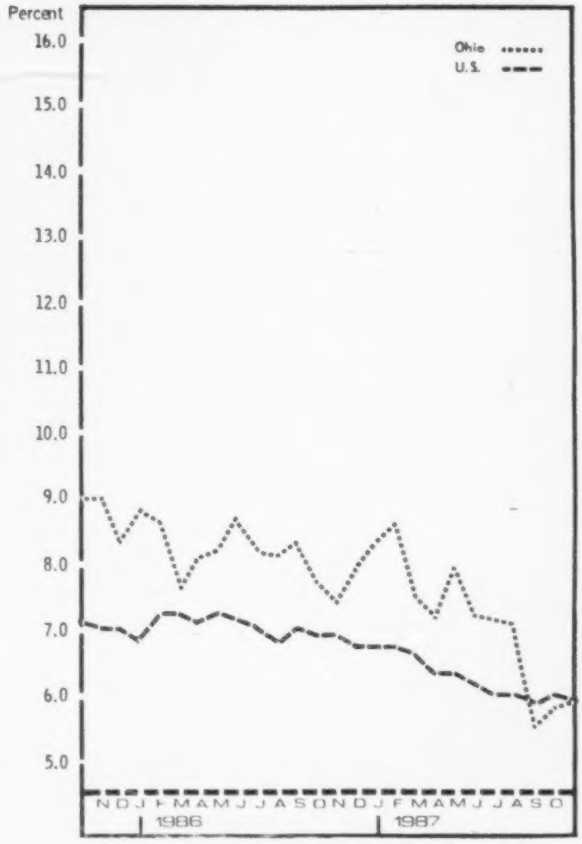
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.

INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S. (Seasonally Adjusted)

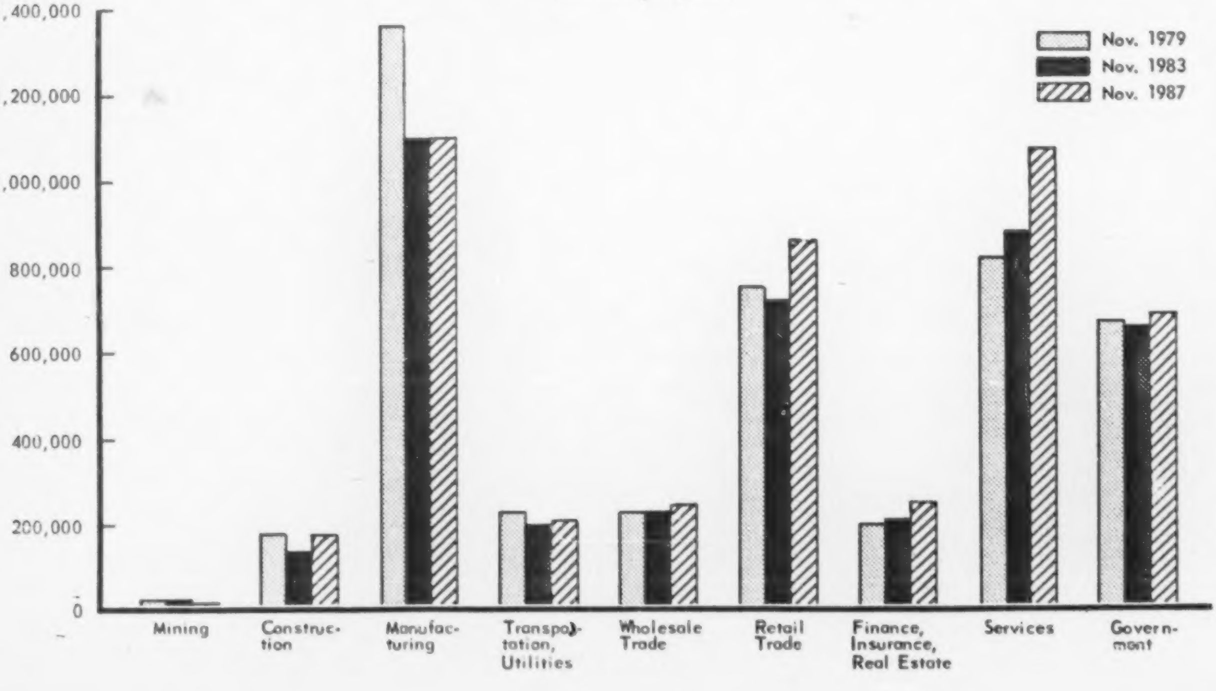


UNEMPLOYMENT RATES
OHIO AND U.S. (Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,751	4,380	370	7.8	7.7	1976
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,139	4,684	456	8.9	7.2	1985
5,234	4,809	426	8.1	7.0	1986
					1986
5,282	4,894	388	7.3	6.6	November
5,259	4,841	418	7.9	6.3	December
					1987
5,196	4,744	452	8.7	7.3	January
5,205	4,732	473	9.1	7.2	February
5,154	4,749	405	7.9	6.9	March
5,205	4,837	367	7.1	6.2	April
5,264	4,892	372	7.1	6.1	May
5,293	4,909	384	7.3	6.3	June
5,325	4,967	358	6.7	6.1	July
5,272	4,908	364	6.9	5.8	August
5,171	4,885	287	5.5	5.7	September
5,221	4,920	301	5.8	5.7	October
5,263	4,959	303	5.8	5.6	November

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural			
		Manufacturing		
			Durable	Nondurable
1976	4,094.6	1,295.3	910.6	384.6
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,475.2	1,109.3	753.2	356.1
1986				
November	4,563.9	1,105.8	749.1	356.7
December	4,569.4	1,106.3	749.6	356.7
1987				
January	4,466.2	1,095.7	741.2	354.6
February	4,467.2	1,096.0	742.4	353.6
March	4,492.3	1,092.1	738.4	353.6
April	4,556.9	1,094.4	740.1	354.3
May	4,600.3	1,091.0	736.4	354.5
June	4,614.8	1,091.8	736.4	355.4
July	4,576.6	1,078.8	723.4	355.3
August	4,595.4	1,092.0	731.6	360.4
September	4,644.3	1,102.8	740.1	362.8
October	4,660.9	1,094.3	734.5	359.9
November	4,675.4	1,098.3	738.1	360.2

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.8	998.8	679.8
					1986				
3,458.0	22.1	174.2	211.2	248.9	November	850.9	236.0	1,018.7	696.1
3,463.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	236.6	1,006.1	688.8
3,371.2	20.7	139.6	205.8	246.1	February	810.4	237.4	1,014.1	697.2
3,400.3	20.5	145.6	206.6	246.9	March	817.0	238.3	1,023.5	701.9
3,462.5	20.3	160.7	209.4	248.5	April	835.5	240.4	1,047.5	700.1
3,509.3	20.4	173.8	210.8	249.8	May	848.4	242.0	1,059.5	704.6
3,523.0	20.4	182.5	211.9	251.4	June	854.6	244.3	1,069.9	688.0
3,497.9	20.6	190.8	212.1	251.6	July	855.9	246.3	1,072.8	647.8
3,503.4	20.6	194.8	212.5	252.0	August	861.2	246.8	1,073.2	642.2
3,541.4	20.9	194.4	212.8	252.2	September	864.2	245.7	1,078.2	673.2
3,566.5	20.2	196.5	213.4	253.3	October	865.2	245.3	1,073.4	699.2
3,577.1	20.3	190.4	212.9	253.0	November	875.8	245.8	1,071.0	707.8

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment (in thousands) — **Production Workers in Manufacturing**

Manufacturing	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,295.3	910.6	384.6	1976	926.1	233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.3	753.2	356.1	1986	758.0	368.9	31.9
			1986			
1,105.8	749.1	356.7	November	755.2	375.4	32.2
1,106.3	749.6	356.7	December	755.4	383.8	32.6
			1987			
1,095.7	741.2	354.5	January	746.3	375.1	31.9
1,096.0	742.4	353.6	February	747.3	373.0	31.7
1,092.1	738.4	353.6	March	744.9	371.4	31.7
1,094.4	740.1	354.3	April	748.5	369.0	31.5
1,091.0	736.4	354.5	May	745.2	370.9	31.7
1,091.8	736.4	355.4	June	745.5	371.6	31.8
1,078.8	723.4	355.3	July	731.6	355.0	30.7
1,092.0	731.6	360.4	August	745.4	367.0	31.5
1,102.8	740.1	362.8	September	756.7	378.4	32.2
1,094.3	734.5	359.9	October	749.4	378.1	32.1
1,098.3	738.1	360.2	November	754.0	385.7	32.6

Production Workers Average Weekly Earnings — **Production Workers Average Weekly Hours** — **Production Workers Average Hourly Earnings**

Average Weekly Earnings: Manufacturing	Durable Goods	Nondurable Goods		Average Weekly Hours: Manufacturing	Durable Goods	Nondurable Goods		Average Hourly Earnings: Manufacturing	Durable Goods	Nondurable Goods
$252.54	$258.75	$235.00	1976	41.2	41.4	41.3	1976	$6.10	$6.25	$5.69
283.08	292.02	258.34	1977	42.0	42.2	41.4	1977	6.74	6.92	6.24
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
			1986				1986			
497.14	517.80	449.40	November	42.6	42.9	42.0	November	11.67	12.07	10.70
508.15	531.14	454.92	December	43.1	43.5	42.2	December	11.79	12.21	10.78
			1987				1987			
502.58	524.96	449.53	January	42.7	43.1	41.7	January	11.77	12.18	10.78
499.05	520.88	446.71	February	42.4	42.8	41.4	February	11.77	12.17	10.79
498.53	519.95	448.86	March	42.5	42.9	41.6	March	11.73	12.12	10.79
492.99	514.25	443.72	April	42.1	42.5	41.2	April	11.71	12.10	10.77
497.68	517.45	450.78	May	42.5	42.8	41.7	May	11.71	12.09	10.81
498.42	517.37	453.95	June	42.6	42.9	41.8	June	11.70	12.06	10.86
485.20	501.76	450.02	July	41.9	42.2	41.4	July	11.58	11.89	10.87
492.37	510.00	453.36	August	42.3	42.5	41.9	August	11.64	12.00	10.82
500.12	516.67	461.92	September	42.6	42.7	42.3	September	11.74	12.10	10.92
504.50	524.02	461.07	October	42.9	43.2	42.3	October	11.76	12.13	10.90
511.49	530.35	466.90	November	43.2	43.4	42.6	November	11.84	12.22	10.96

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*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

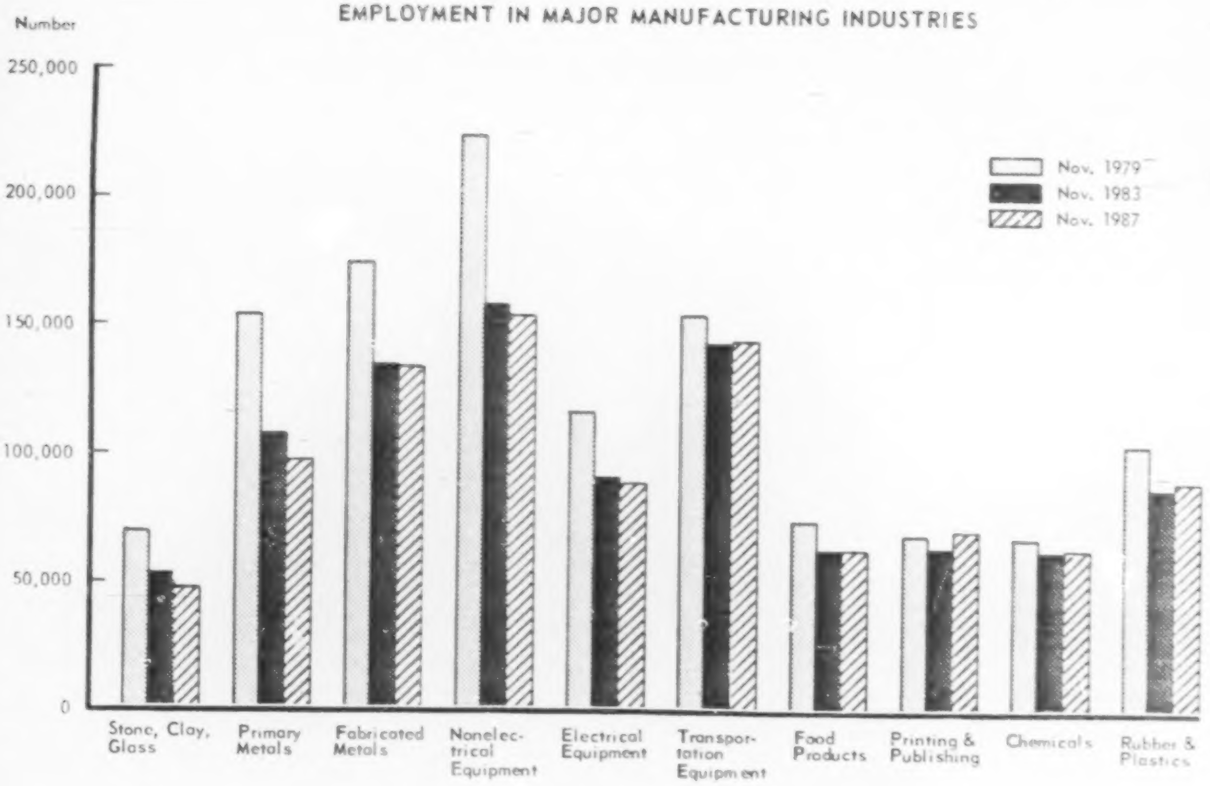
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
66.3	154.6	157.9	1976	205.9	115.5	143.0	1976	73.8	64.5	98.2
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.4	95.4	136.8	1986	158.7	89.8	153.5	1986	62.6	68.6	91.5
			1986				1986			
49.2	93.6	136.3	November	156.0	90.2	153.8	November	62.4	69.4	90.9
49.0	94.1	136.0	December	156.1	90.2	154.4	December	62.7	69.1	91.3
			1987				1987			
47.8	93.8	134.3	January	155.0	90.6	151.7	January	62.0	68.8	91.3
47.9	95.5	133.5	February	154.1	89.8	153.6	February	61.5	69.1	90.8
47.7	96.7	133.3	March	153.8	89.0	148.9	March	61.5	69.1	90.4
48.0	96.7	132.5	April	153.5	88.0	151.6	April	62.2	69.3	89.8
48.2	95.5	131.8	May	153.2	87.3	150.3	May	62.7	69.3	88.9
48.4	95.9	133.2	June	153.6	87.5	147.1	June	62.7	69.3	88.8
47.8	94.4	130.4	July	151.7	87.6	140.7	July	63.2	69.8	88.0
48.3	96.2	131.6	August	152.2	87.0	144.2	August	66.9	70.1	88.8
48.3	98.2	133.3	September	153.5	88.1	146.1	September	67.5	70.0	89.8
48.0	98.5	132.9	October	152.3	87.1	143.0	October	63.7	70.4	90.5
48.1	99.1	133.6	November	153.1	88.0	143.9	November	63.0	70.9	91.0

Average Weekly Earnings of Production Workers

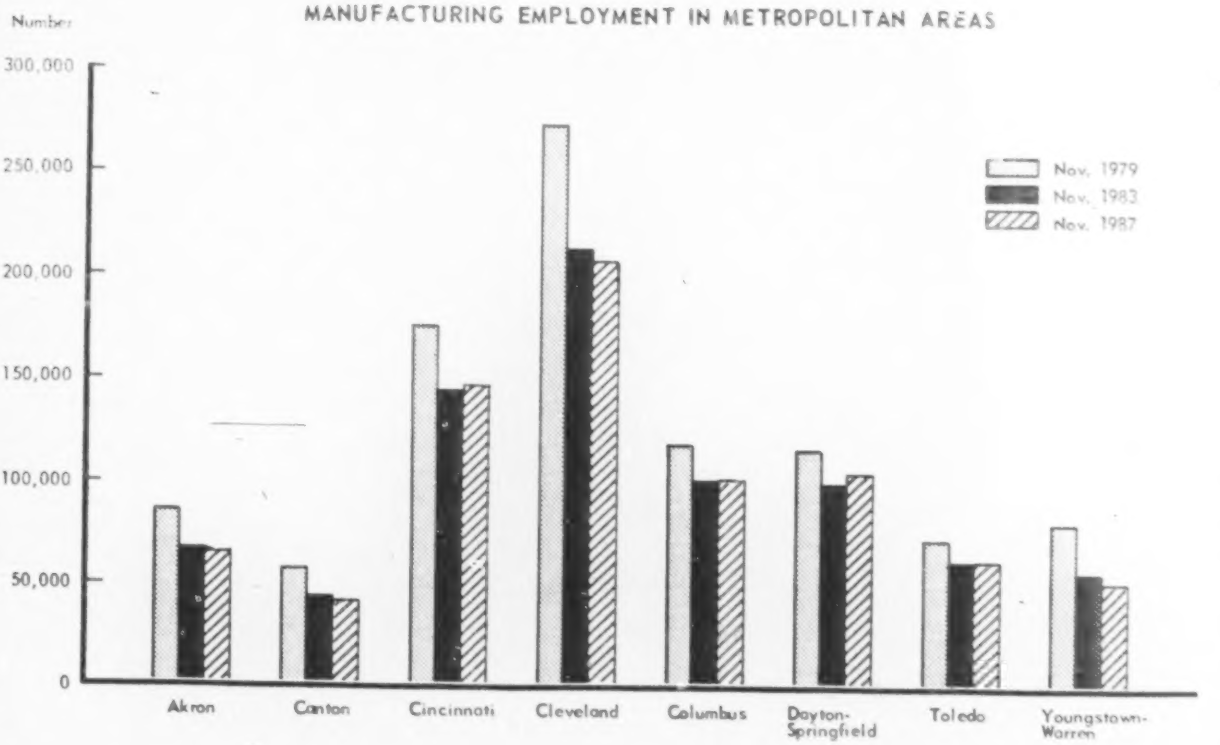
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$232.40	$294.58	$256.68	1976	$253.31	$221.54	$302.87	1976	$242.92	$252.20	$237.30
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
			1986				1986			
442.08	583.73	503.01	November	492.33	471.33	646.46	November	423.85	429.37	447.38
441.00	596.23	515.70	December	510.82	489.89	656.48	December	436.77	429.46	444.19
			1987				1987			
441.31	593.61	515.91	January	498.53	473.61	647.91	January	438.46	416.96	443.59
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
456.04	605.58	513.11	November	520.38	476.15	655.34	November	444.15	447.92	454.75

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1987[b]	October 1987[c]	November 1986[c]	From Last Month	From Last Year
TOTAL	4675.4	4660.9	4563.9	14.5	111.5
MANUFACTURING	1098.3	1094.3	1105.8	4.0	-7.5
Durable Goods[e]	738.1	734.5	749.1	3.6	-11.0
Lumber and wood products	20.8	20.9	18.7	-.1	2.1
Furniture and fixtures	14.6	14.8	14.5	-.2	.1
Stone, clay, and glass products	48.1	48.0	49.2	.2	-1.1
Glass and glassware, pressed or blown.	10.1	10.1	10.9	.0	-.8
Primary metal industries	99.1	98.5	93.6	.6	5.4
Blast furnace and basic steel products	45.7	45.4	41.9	.3	3.8
Iron and steel foundries	20.3	19.8	19.2	.5	1.1
Nonferrous rolling and drawing	17.6	17.9	17.8	-.3	-.1
Fabricated metal products	133.6	132.9	136.3	.6	-2.7
Cutlery, hand tools, and hardware	10.2	10.1	10.3	.1	-.1
Fabricated structural metal products .	28.1	28.4	29.4	-.3	-1.3
Metal forgings and stampings	41.8	41.4	43.1	.4	-1.3
Machinery, except electrical	153.1	152.3	156.0	.8	-2.9
Construction and related machinery ...	12.0	11.9	12.3	.1	-.4
Metalworking machinery	38.5	38.4	40.5	.2	-1.9
Special industry machinery	16.7	16.6	16.9	.1	-.2
General industrial machinery	26.4	26.2	27.5	.2	-1.1
Office and computing machines	13.8	13.7	13.6	.0	.2
Refrigeration and service machinery ..	16.4	16.7	16.5	-.3	-.1
Electric and electronic equipment	88.0	87.1	90.2	.8	-2.2
Electrical industrial apparatus	16.9	16.9	16.9	.0	.0
Household appliances	16.5	16.7	17.3	-.2	-.8
Electric lighting and wiring equipment	17.3	17.2	17.8	.1	-.4
Communication equipment	9.9	9.9	10.5	.0	-.6
Transportation equipment	143.9	143.0	153.8	.9	-9.9
Motor vehicles and equipment	94.2	92.2	98.1	2.0	-3.9
Aircraft and parts	40.3	41.3	46.4	-.9	-6.1
Instruments and related products	22.7	22.4	22.8	.3	-.1
Measuring and controlling devices	12.3	12.3	12.1	.1	.2
Nondurable Goods[f]	360.2	359.9	356.7	.3	3.5
Food and kindred products	63.0	63.7	62.4	-.7	.5
Meat products	10.0	9.9	9.5	.1	.4
Dairy products	10.5	10.5	10.1	.0	.4
Preserved fruits and vegetables	10.4	11.1	10.5	-.6	-.1
Bakery products	8.9	9.0	8.7	-.2	.2
Beverages	9.6	9.7	10.2	-.1	-.5
Apparel and other textile products	16.5	16.4	16.9	.1	-.4
Paper and allied products	38.2	37.9	37.5	.3	.7
Misc. converted paper products	12.1	12.1	11.9	.0	.2
Paperboard containers and boxes	13.5	13.4	12.8	.1	.7
Printing and publishing	70.9	70.4	69.5	.5	1.4
Newspapers	19.6	19.4	19.6	.2	.0
Commercial printing	26.9	26.7	26.5	.2	.4
Chemicals and allied products	64.3	64.3	63.0	.0	1.3
Industrial inorganic chemicals	10.3	10.2	10.2	.1	.1
Rubber and misc. plastics products	91.0	90.5	90.9	.5	.1
Tires and inner tubes	16.2	16.3	17.7	-.1	-1.5
Miscellaneous plastics products	54.8	54.5	53.2	.3	1.6

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1987[b]	October 1987[c]	November 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3577.1	3566.5	3458.0	10.6	119.0
MINING	20.3	20.2	22.1	.1	-1.8
Bituminous coal and lignite mining	8.8	8.7	9.9	.0	-1.1
Oil and gas extraction	6.5	6.4	7.4	.1	-.8
CONSTRUCTION	190.4	196.5	174.2	-6.1	16.2
General building contractors	48.3	49.3	45.0	-1.0	3.4
Heavy construction contractors	24.1	26.8	22.8	-2.6	1.4
Highway and street construction	11.8	13.4	10.8	-1.6	1.0
Special trade contractors	117.9	120.4	106.4	-2.5	11.4
TRANSPORTATION AND PUBLIC UTILITIES	212.9	213.4	211.2	-.5	1.7
Railroad transportation	14.2	14.6	15.5	-.4	-1.2
Transportation, except railroads	105.0	105.0	101.6	.0	3.4
Trucking and warehousing	73.0	72.7	71.0	.2	1.9
Communication, electric, gas services	93.7	93.8	94.2	-.1	-.5
Communication	52.9	52.9	52.4	.0	.4
Electric, gas, and sanitary services	40.9	40.9	41.7	-.1	-.9
WHOLESALE TRADE	253.0	253.3	248.9	-.3	4.2
Wholesale trade-durable goods	159.9	160.1	157.4	-.2	2.5
Motor vehicles & automotive equipment	22.4	22.5	22.4	-.1	.0
Electrical goods	21.1	21.0	21.0	.1	.1
Machinery, equipment, and supplies	68.9	68.8	67.8	.1	1.1
Wholesale trade-nondurable goods	93.1	93.2	91.5	-.1	1.7
Groceries and related products	30.1	30.0	29.1	.1	1.0
RETAIL TRADE	875.8	865.2	850.9	10.6	25.0
General merchandise stores	123.0	116.9	124.5	6.1	-1.5
Department stores	108.8	102.9	111.7	5.9	-2.8
Food stores	133.9	132.4	131.4	1.5	2.5
Automotive dealers & service stations	96.5	96.8	92.1	-.3	4.3
Apparel and accessory stores	42.9	41.6	40.9	1.4	2.0
Eating and drinking places	302.5	303.6	293.5	-1.1	9.0
FINANCE, INSURANCE, AND REAL ESTATE	245.8	245.3	236.0	.6	9.8
Banking	63.0	63.0	61.7	.0	1.3
Credit agencies other than banks	38.9	38.8	37.6	.2	1.3
Insurance carriers	66.1	65.8	63.8	.3	2.3
Life insurance	24.0	23.9	23.7	.1	.3
Fire, marine, and casualty insurance	29.7	29.5	28.7	.2	1.0
SERVICES	1071.0	1073.4	1018.7	-2.5	52.2
Hotels and other lodging places	33.9	34.2	33.2	-.4	.6
Personal services	58.0	57.8	55.0	.1	3.0
Laundry, cleaning, & garment services	19.3	19.2	18.6	.1	.7
Business services	221.1	221.5	200.5	-.3	20.6
Services to buildings	30.5	30.3	28.2	.2	2.3
Computer and data processing services	20.5	20.4	18.6	.1	1.9
Amusement and recreation services	35.8	38.9	34.2	-3.1	1.6
Health services	365.5	365.3	350.7	.2	14.8
Nursing and personal care facilities	80.9	80.8	77.2	.0	3.7
Hospitals	178.5	178.7	172.9	-.2	5.5
Educational services	62.2	60.7	63.1	1.5	-.8
Colleges and universities	33.6	32.4	35.1	1.1	-1.5
GOVERNMENT	707.8	699.2	696.1	8.6	11.7
Federal government	94.9	94.4	93.4	.5	1.5
State government	159.4	157.5	155.1	2.0	4.3
State government education[1]	86.1	84.0	84.0	2.1	2.1
State government, except education	73.3	73.5	71.2	-.1	2.2
Local government	453.5	447.3	447.6	6.2	5.9
Local government education	266.8	261.5	263.5	5.3	3.2
Local government, except education	186.8	185.9	184.0	.9	2.7

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]
MANUFACTURING	$511.49	$504.50	$497.14	43.2	42.9	42.6	$11.84	$11.76	$11.67
Durable Goods[e]	530.35	524.02	517.80	43.4	43.2	42.9	12.22	12.13	12.07
Lumber and wood products	303.64	301.84	297.66	41.2	40.9	41.0	7.37	7.38	7.26
Furniture and fixtures	364.62	362.30	349.81	41.2	41.5	41.3	8.85	8.73	8.47
Stone, clay, and glass products	456.04	451.76	442.08	42.7	42.3	41.2	10.68	10.68	10.73
Glass and glassware, pressed or blown	457.02	464.13	467.62	39.5	39.5	41.2	11.57	11.75	11.35
Primary metal industries	605.58	601.12	583.73	44.3	44.2	43.4	13.67	13.60	13.45
Blast furnace and basic steel products	623.06	621.09	596.63	44.6	44.3	42.8	13.97	14.02	13.94
Iron and steel foundries	632.06	620.71	630.54	44.7	44.4	45.2	14.14	13.98	13.95
Nonferrous rolling and drawing	628.73	614.45	570.91	42.8	42.7	41.4	14.69	14.39	13.79
Fabricated metal products	513.11	503.43	503.01	43.3	42.7	42.7	11.85	11.79	11.78
Cutlery, hand tools, and hardware	496.51	491.83	487.12	41.0	41.4	40.9	12.11	11.88	11.91
Fabricated structural metal products	471.32	465.91	457.95	43.4	43.1	43.0	10.86	10.81	10.65
Metal forgings and stampings	622.84	612.70	639.12	43.8	43.3	44.6	14.22	14.15	14.33
Machinery, except electrical	520.38	510.85	492.33	44.1	43.7	42.7	11.80	11.69	11.53
Construction and related machinery	430.19	417.79	421.45	42.3	41.0	41.4	10.17	10.19	10.18
Metalworking machinery	504.43	493.88	475.94	44.6	43.9	42.8	11.31	11.25	11.12
Special industry machinery	501.51	503.09	473.19	43.8	43.9	42.9	11.45	11.46	11.03
General industrial machinery	546.31	528.26	515.46	44.2	43.3	42.6	12.36	12.20	12.10
Office and computing machines	425.27	434.39	414.29	43.0	44.1	43.2	9.89	9.85	9.59
Refrigeration and service machinery	559.93	561.89	568.38	42.1	42.6	42.8	13.30	13.19	13.28
Electric and electronic equipment	476.15	466.07	471.33	42.4	41.8	42.5	11.23	11.15	11.09
Electrical industrial apparatus	477.30	477.79	445.71	43.0	43.2	41.5	11.10	11.06	10.74
Household appliances	485.96	475.97	493.19	40.7	40.2	43.3	11.94	11.84	11.39
Electric lighting and wiring equipment	481.23	472.63	486.36	42.7	41.9	42.0	11.27	11.28	11.58
Communication equipment	489.76	512.40	498.72	41.4	42.0	42.3	11.83	12.20	11.79
Transportation equipment	655.34	652.50	646.46	44.4	44.6	44.8	14.76	14.63	14.43
Motor vehicles and equipment	676.14	673.79	660.67	44.6	44.8	44.4	15.16	15.04	14.88
Aircraft and parts	623.73	614.59	624.70	45.1	44.6	45.9	13.83	13.78	13.61
Instruments and related products	371.08	369.46	364.72	40.6	40.6	40.3	9.14	9.10	9.05
Measuring and controlling devices	354.63	349.72	348.04	38.8	38.6	38.5	9.14	9.06	9.04
Nondurable Goods[f]	466.90	461.07	449.40	42.6	42.3	42.0	10.96	10.90	10.70
Food and kindred products	444.15	432.22	423.85	42.3	41.6	41.8	10.50	10.39	10.14
Meat products	397.11	376.07	379.86	42.7	40.7	41.2	9.30	9.24	9.22
Dairy products	464.53	464.81	459.88	42.5	42.8	43.1	10.93	10.86	10.67
Preserved fruits and vegetables	449.17	414.16	402.52	41.9	39.9	40.7	10.72	10.38	9.89
Bakery products	469.90	461.09	468.33	40.3	40.2	40.2	11.66	11.47	11.65
Beverages	410.40	416.15	413.59	40.0	40.6	41.4	10.26	10.25	9.99
Apparel and other textile products	300.00	295.02	268.46	40.0	39.6	37.6	7.50	7.45	7.14
Paper and allied products	493.50	498.85	493.50	44.3	44.7	44.3	11.14	11.16	11.14
Misc. converted paper products	445.88	431.57	454.82	43.8	42.9	44.2	10.18	10.06	10.29
Paperboard containers and boxes	428.11	445.09	432.72	43.2	44.2	43.1	9.91	10.07	10.04
Printing and publishing	447.92	442.18	429.37	40.1	39.8	39.5	11.17	11.11	10.87
Newspapers	394.20	378.43	361.53	36.0	35.4	35.1	10.95	10.69	10.30
Commercial printing	443.69	438.19	433.78	41.7	41.3	41.0	10.64	10.61	10.58
Chemicals and allied products	560.73	544.84	521.59	43.4	42.4	42.2	12.92	12.85	12.36
Industrial inorganic chemicals	629.72	617.75	555.10	45.5	44.7	41.8	13.84	13.82	13.28
Rubber and misc. plastics products	454.75	453.44	447.38	43.6	43.6	43.1	10.43	10.40	10.38
Tires and inner tubes	663.62	660.61	634.20	46.8	46.1	45.3	14.18	14.33	14.00
Miscellaneous plastics products	435.89	435.02	435.89	43.2	43.2	43.2	10.09	10.07	10.09

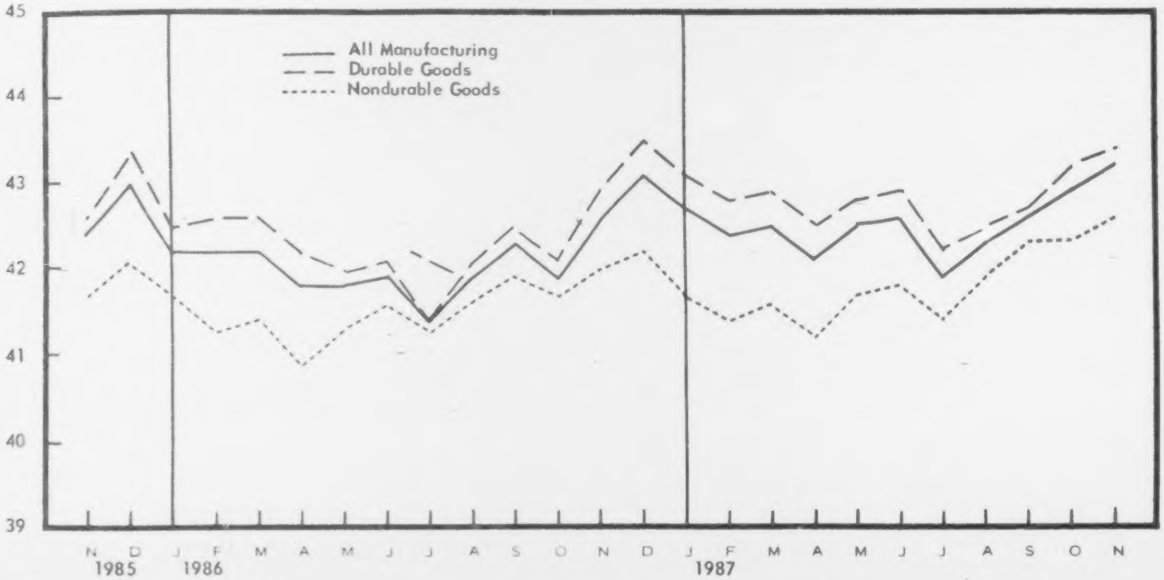
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

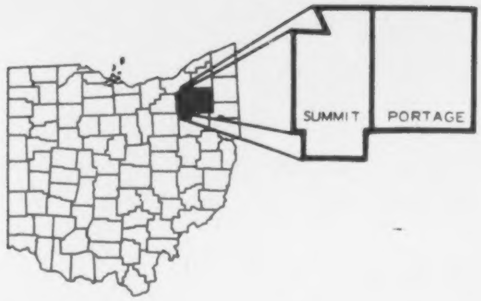
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]
MINING	$544.56	$538.53	$528.96	43.6	43.5	43.5	$12.49	$12.38	$12.16
Bituminous coal and lignite mining	661.58	639.66	623.83	42.6	42.0	40.8	15.53	15.23	15.29
CONSTRUCTION	586.97	586.53	565.74	39.5	39.9	38.2	14.86	14.70	14.81
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	.....	....	....	.....	.....	.....
Communication, electric, gas services	556.63	557.74	551.26	40.6	40.8	41.2	13.71	13.67	13.38
Communication	540.95	542.70	541.82	40.1	40.2	40.8	13.49	13.50	13.28
Electric, gas, and sanitary services	578.20	576.85	561.60	41.3	41.5	41.6	14.00	13.90	13.50
WHOLESALE TRADE	387.29	385.52	371.99	39.6	39.5	39.7	9.78	9.76	9.37
Wholesale trade-durable goods	379.76	378.63	364.72	39.6	39.4	39.6	9.59	9.61	9.21
Wholesale trade-nondurable goods	401.18	397.79	382.71	39.8	39.7	39.7	10.08	10.02	9.64
RETAIL TRADE[h]	161.60	163.88	157.32	28.4	28.7	28.5	5.69	5.71	5.52
General merchandise stores	169.63	177.89	174.89	27.9	28.6	29.1	6.08	6.22	6.01
Department stores	173.54	182.82	179.26	27.9	28.7	29.1	6.22	6.37	6.16
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	259.11	260.75	250.72	....	....	....	.....	.....	.....
Credit agencies other than banks	254.57	253.83	243.87	....	....	....	.....	.....	.....
Insurance carriers	352.87	353.27	342.96	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	331.87	331.91	320.41	32.6	32.7	33.1	10.18	10.15	9.68

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



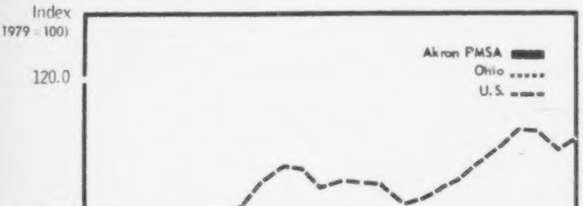
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



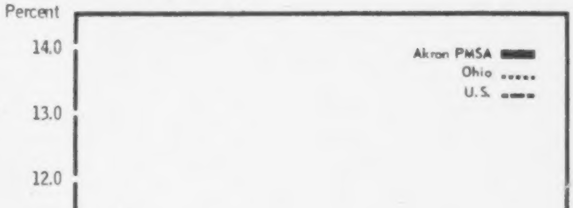
Nonagricultural wage and salary employment in the Akron metropolitan area totaled 272,000 in November, an improvement of 200 from October. Manufacturing employment rose 300, to 65,300, due to small advances in durable-goods industries. Employment in nonmanufacturing declined 200 over the month. Scattered reductions in other divisions offset a moderate gain in retail trade. Manufacturing production workers averaged a 43.3 hour workweek, up fractionally from the previous month. Their average hourly earnings were $11.25, down $.04 from October.

Nonfarm wage and salary employment in the Akron area advanced 6,300 from November 1986. Expansion was registered in nearly every nonmanufacturing industry. Notable improvements occurred in services, retail trade, and construction. Declines in tires and inner tubes helped contribute to the reduction of 1,500 manufacturing jobs.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

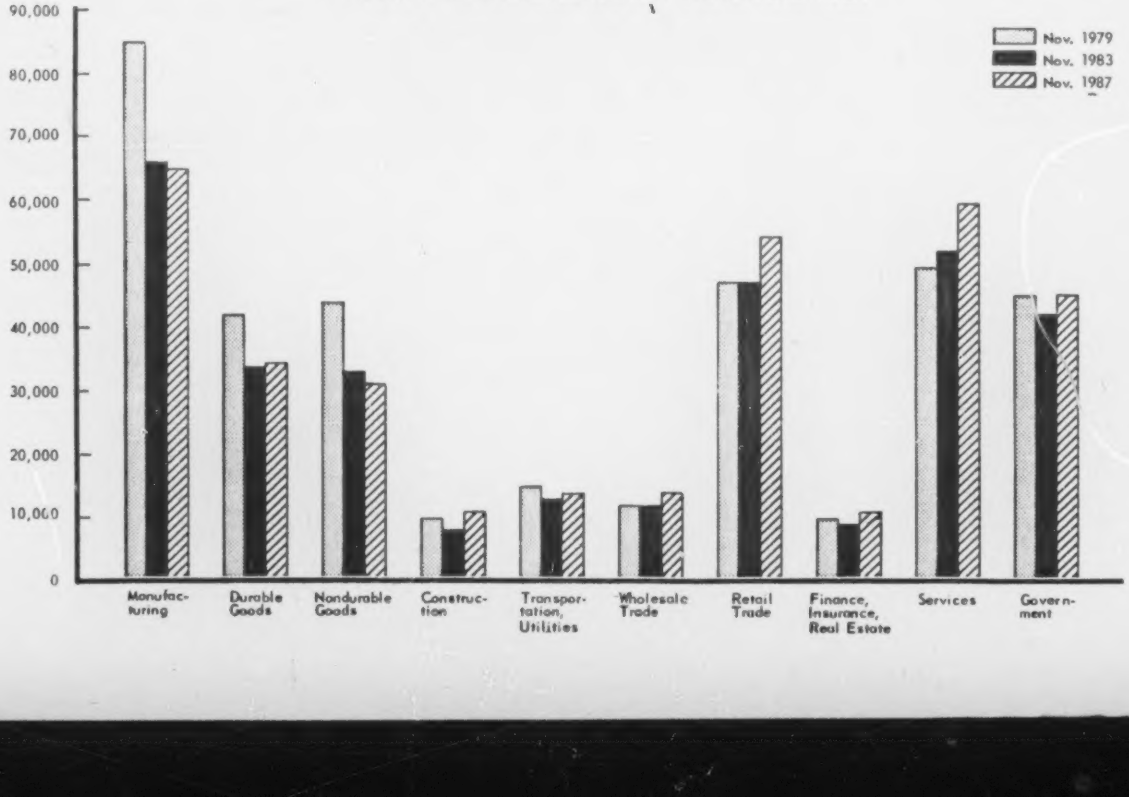


AKRON PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
316.9	293.4	23.5	7.4	April	263.4	64.7	34.9	483.75	43.0	11.25
320.9	297.5	23.4	7.3	May	266.8	64.5	35.0	487.19	43.0	11.33
317.3	294.3	23.1	7.3	June	262.8	64.5	35.0	488.32	43.1	11.33
321.3	299.8	21.6	6.7	July	262.9	64.2	34.9	469.42	42.1	11.15
318.8	295.7	23.1	7.2	August	263.1	64.3	35.0	482.36	43.3	11.14
316.3	298.1	18.2	5.7	September	270.1	65.3	36.0	488.42	43.3	11.28
318.6	299.9	18.7	5.9	October	271.8	65.0	35.9	487.73	43.2	11.29
INA	INA	INA	INA	November	272.0	65.3	36.1	487.13	43.3	11.25

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1987[b]	October 1987[c]	November 1986[c]	From Last Month	From Last Year
TOTAL	272.0	271.8	265.7	.2	6.3
MANUFACTURING	65.3	65.0	66.7	.3	-1.5
Durable Goods[e]	34.6	34.3	35.0	.3	-.4
Fabricated metal products	12.7	12.6	13.1	.1	-.4
Machinery, except electrical	9.4	9.3	9.3	.1	.1
Metalworking machinery	3.1	3.1	3.0	.0	.1
Nondurable Goods[f]	30.7	30.6	31.7	.0	-1.1
Food and kindred products	2.8	2.8	2.7	.0	.1
Chemicals and allied products	3.0	3.0	2.9	-.1	.1
Rubber and misc. plastics products	19.2	19.1	20.7	.1	-1.5
Tires and inner tubes	11.7	11.8	13.4	-.1	-1.7
NONMANUFACTURING[g]	206.7	206.9	199.0	-.2	7.8
CONSTRUCTION	10.9	11.4	9.6	-.5	1.4
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.6	13.2	.0	.4
Communication, electric, gas services	5.5	5.5	5.4	.0	.1
WHOLESALE TRADE	13.7	13.8	13.7	-.1	-.1
RETAIL TRADE	53.9	53.2	52.3	.8	1.6
General merchandise stores	7.3	6.8	7.5	.5	-.2
FINANCE, INSURANCE, AND REAL ESTATE	10.6	10.6	10.2	.0	.4
Banking	3.1	3.1	3.2	.0	.0
SERVICES	58.7	59.2	55.4	-.5	3.3
Business services	11.4	11.5	10.6	-.2	.8
Amusement and recreation services	3.1	3.3	2.4	-.2	.7
Health services	18.5	18.4	17.7	.1	.8
GOVERNMENT	44.7	44.5	43.9	.2	.7
State government	16.6	16.4	15.7	.1	.8
State government education[i]	13.7	13.5	12.9	.2	.8
State government, except education	2.9	2.9	2.9	-.1	.0
Local government	25.8	25.7	25.8	.0	-.1
Local government education	14.7	14.4	14.4	.2	.3
Local government, except education	11.1	11.3	11.5	-.2	-.4

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

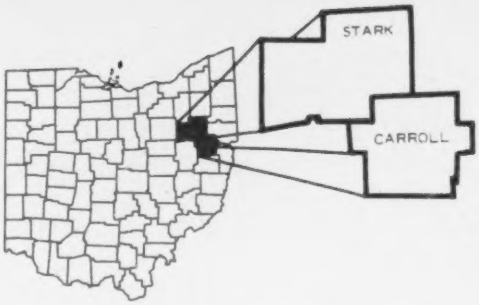
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]
MANUFACTURING	$487.13	$487.73	$491.62	43.3	43.2	43.2	$11.25	$11.29	$11.38
Durable Goods[e]	500.12	500.55	515.66	43.3	43.3	43.7	11.55	11.56	11.80
Fabricated metal products	595.81	589.90	665.62	43.3	42.5	46.0	13.76	13.88	14.47
Machinery, except electrical	462.48	472.44	436.80	45.7	46.5	44.3	10.12	10.16	9.86
Metalworking machinery	503.97	475.07	439.88	47.1	45.9	43.9	10.70	10.35	10.02
Nondurable Goods[f]	467.64	467.41	456.67	43.3	43.0	42.6	10.80	10.87	10.72
Food and kindred products	466.13	470.41	456.18	43.2	43.8	42.2	10.79	10.74	10.81
Chemicals and allied products	520.78	510.35	451.07	43.8	42.6	40.6	11.89	11.98	11.11
Rubber and misc. plastics products	482.45	490.39	485.10	44.1	44.1	44.1	10.94	11.12	11.00
Tires and inner tubes	729.52	738.02	709.04	47.9	47.4	48.3	15.23	15.57	14.68
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	567.12	572.52	567.84	40.8	41.1	41.6	13.90	13.93	13.65
WHOLESALE TRADE	336.17	334.27	313.96	37.9	37.1	37.6	8.87	9.01	8.35
RETAIL TRADE[h]	198.32	201.83	192.20	32.3	32.5	31.1	6.14	6.21	6.18

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1987	October 1987	November 1986
Employment Service Program			
New Applicants	2,262	2,947	2,213
Active File of Job Seekers	17,533	17,920	20,390
Referrals to Jobs	937	1,563	977
Placements	185	612	372
Job Openings Received	417	748	501
Job Openings Unfilled	1,117	1,288	694
Unemployment Insurance Program			
Initial Claims	3,315	2,438	3,815
Continued Claims	21,116	20,908	25,231
First Payments	1,039	958	1,245
Last Payments	376	497	371
Weeks Compensated	15,138	18,454	17,108
Benefits Paid	$2,251,949	$2,780,952	$2,476,167
Average Weekly Payment	$152.84	$155.04	$148.59

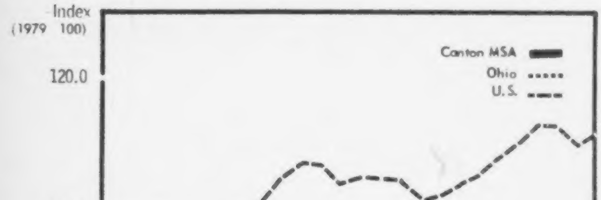
CANTON
METROPOLITAN STATISTICAL AREA



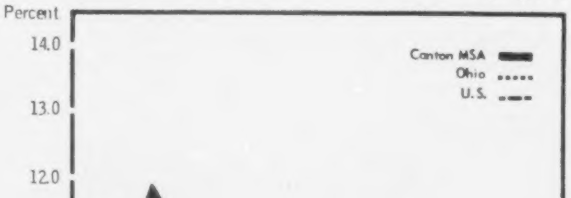
Nonfarm wage and salary employment in the Canton metropolitan area totaled 157,800 in November, an increase of 200 from October. Employment in manufacturing remained unchanged at 42,500. Nonmanufacturing employment registered a slight improvement of 200 jobs due to gains in retail trade and local government education. Factory workers averaged a 42.1 hour workweek, an increase of .3 hours from October. Their average hourly earnings were $11.31, down slightly from last month.

Nonagricultural wage and salary employment advanced 3,600 from November 1986. Growth in retail trade, construction, and services contributed most to the increase. Declines in fabricated metal products and food and kindred products helped lower manufacturing employment 600 over the period.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

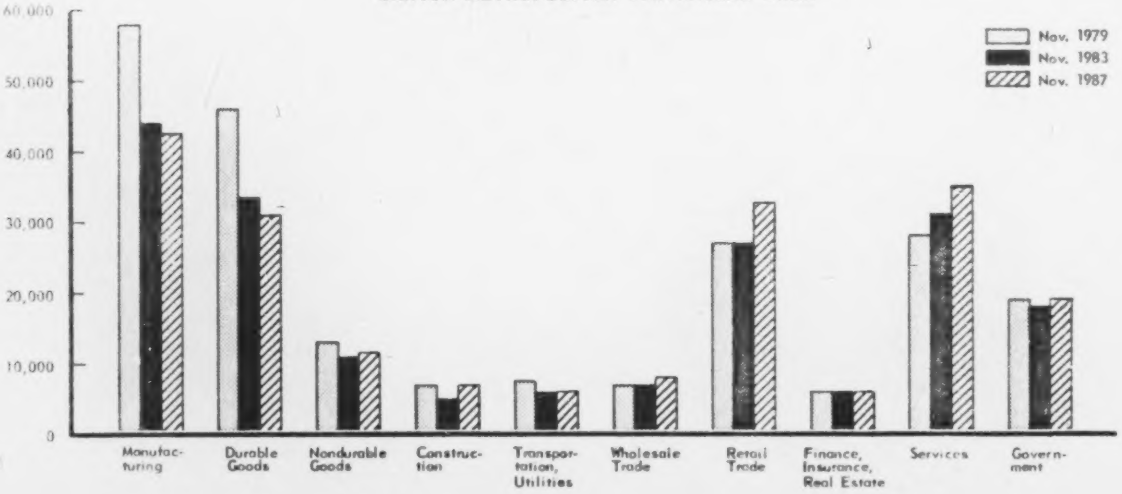


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
187.3	170.6	16.7	8.9	April	153.9	42.7	30.2	471.03	41.5	11.35
189.2	172.6	16.7	8.8	May	155.6	42.5	30.1	486.35	42.7	11.39
189.7	173.5	16.2	8.5	June	156.4	42.5	30.1	479.39	42.2	11.36
189.1	175.0	14.1	7.5	July	154.8	41.7	29.5	470.50	41.6	11.31
188.8	173.9	14.8	7.9	August	156.1	42.2	30.2	460.73	41.1	11.21
183.7	172.1	11.6	6.3	September	156.8	42.5	30.5	468.95	41.5	11.30
186.1	173.7	12.4	6.7	October	157.6	42.4	30.5	476.52	41.8	11.40
INA	INA	INA	INA	November	157.8	42.5	30.7	476.15	42.1	11.31

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1987[b]	October 1987[c]	November 1986[c]	From Last Month	From Last Year
TOTAL	157.8	157.6	154.2	.2	3.6
MANUFACTURING	42.5	42.4	43.0	.0	-.6
Durable Goods[e]	31.4	31.5	31.8	.0	-.3
Primary metal industries	10.2	10.2	10.0	.0	.2
Fabricated metal products	6.2	6.2	6.8	.0	-.6
Metal forgings and stampings	2.0	2.0	2.4	.0	-.4
Nondurable Goods[f]	11.0	11.0	11.3	.1	-.3
Food and kindred products	3.5	3.5	3.8	.0	-.3
Rubber and misc. plastics products	2.8	2.8	2.7	.0	.1
NONMANUFACTURING[g]	115.4	115.2	111.1	.2	4.2
CONSTRUCTION	7.3	7.5	6.1	-.2	1.2
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	5.9	.0	.2
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
WHOLESALE TRADE	8.1	8.1	8.0	-.1	.1
Wholesale trade-durable goods	4.5	4.6	4.6	.0	-.1
RETAIL TRADE	32.8	32.5	31.3	.4	1.5
General merchandise stores	4.3	4.0	4.3	.3	.1
Food stores	5.3	5.3	5.2	.0	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.6	6.5	.0	.0
Banking	1.9	1.9	1.9	.0	.0
SERVICES	34.8	35.0	33.9	-.2	.9
Health services	15.0	15.0	14.5	.0	.5
GOVERNMENT	18.7	18.4	18.4	.3	.3
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	15.6	15.3	15.3	.3	.3
Local government education	9.2	8.9	9.4	.3	-.2
Local government, except education	6.4	6.4	5.9	.0	.5

Hours & Earnings of Production or Nonsupervisory Workers[a]

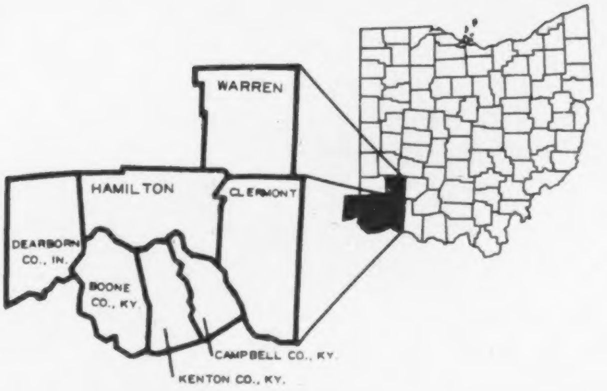
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]
MANUFACTURING	$476.15	$476.52	$471.33	42.1	41.8	41.2	$11.31	$11.40	$11.44
Durable Goods[e]	491.84	494.16	492.89	42.4	42.2	41.7	11.60	11.71	11.82
Primary metal industries	554.27	567.23	542.19	43.1	43.3	41.9	12.86	13.10	12.94
Fabricated metal products	448.20	446.87	487.89	41.5	41.3	41.7	10.80	10.82	11.70
Metal forgings and stampings	628.58	611.46	626.33	42.3	40.9	41.7	14.86	14.95	15.02
Nondurable Goods[f]	425.17	419.99	405.73	41.0	40.5	39.7	10.37	10.37	10.22
Food and kindred products	429.20	419.93	421.11	40.0	39.1	39.1	10.73	10.74	10.77
Rubber and misc. plastics products	441.74	435.25	417.83	41.4	41.1	41.7	10.67	10.59	10.02
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	560.60	559.24	540.79	41.1	41.0	41.0	13.64	13.64	13.19
WHOLESALE TRADE	391.56	387.22	335.30	39.0	38.8	35.0	10.04	9.98	9.58
RETAIL TRADE[h]	156.02	155.27	154.23	29.0	28.7	29.1	5.38	5.41	5.30

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1987	October 1987	November 1986
Employment Service Program			
New Applicants	1,202	1,099	1,566
Active File of Job Seekers	10,895	11,007	17,921
Referrals to Jobs	950	945	948
Placements	153	153	247
Job Openings Received	452	408	407
Job Openings Unfilled	600	518	332
Unemployment Insurance Program			
Initial Claims	2,424	1,787	4,341
Continued Claims	13,221	12,491	21,274
First Payments	646	627	1,050
Last Payments	169	243	313
Weeks Compensated	8,871	10,248	17,713
Benefits Paid	$1,205,218	$1,417,484	$2,629,401
Average Weekly Payment	$142.84	$142.84	$153.80

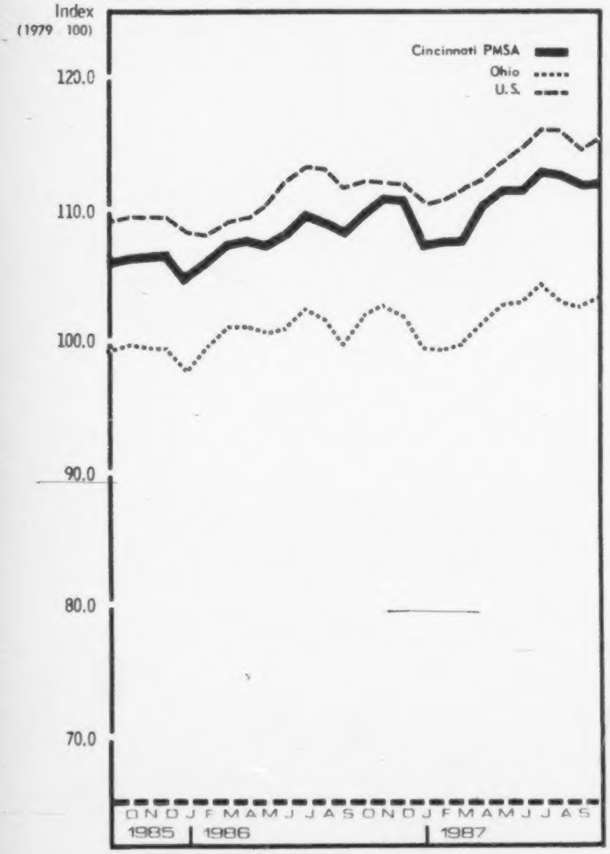
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



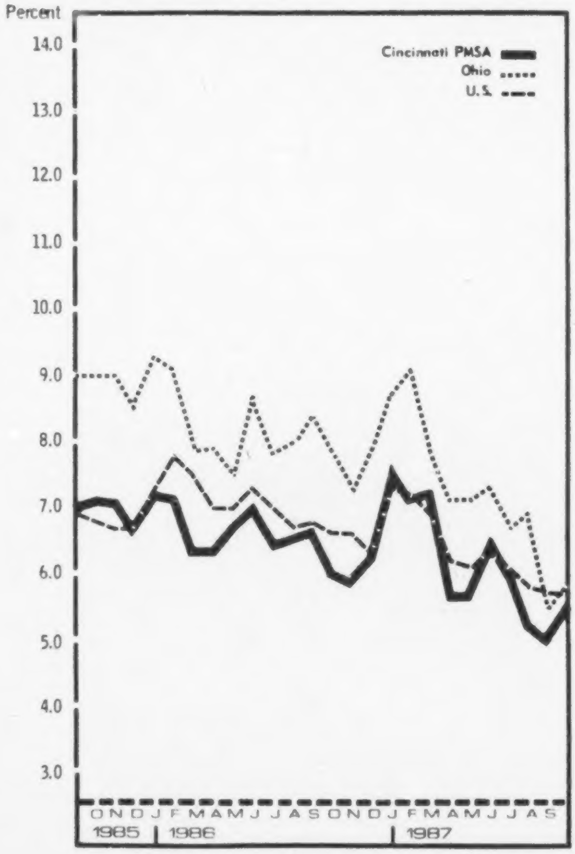
Nonagricultural wage and salary employment in the Cincinnati metropolitan area was 692,400 in November, up 4,400 from October. Manufacturing employment, at 146,100, was up 1,200 due to returns from temporary layoffs in motor vehicles and equipment. Losses in construction were more than offset by seasonal gains in retail trade and local schools. Factory production workers earned an average of $11.02 per hour, up $.15 from October. The average workweek was up slightly, to 43.3 hours.

Since November 1986, nonfarm employment increased 24,900. Growth in business and health services, retail trade, and construction contributed most to the improvement, although all nonmanufacturing sectors recorded gains. Losses in motor vehicles and equipment negated improvements in nondurable-goods industries, lowering manufacturing employment 3,300 over the year.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

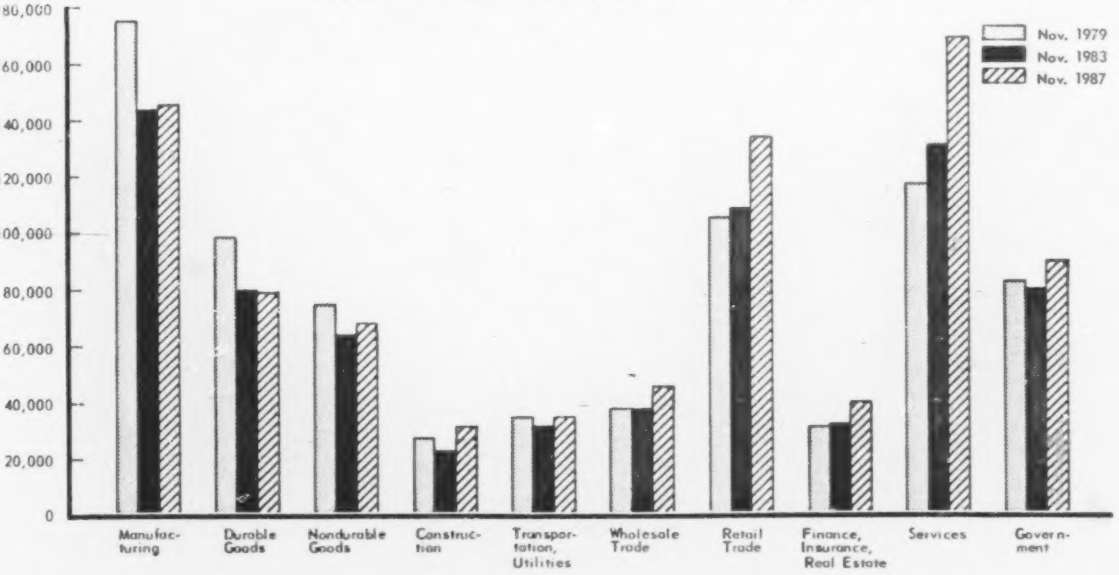


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
727.0	675.0	52.0	7.2	March	657.2	143.9	91.6	462.40	42.5	10.88
732.2	691.5	40.7	5.6	April	671.8	147.5	95.3	459.38	41.8	10.99
740.9	699.3	41.6	5.6	May	678.7	148.1	95.7	466.15	42.3	11.02
747.8	698.8	48.9	6.5	June	679.2	145.4	92.6	466.52	42.8	10.90
752.9	708.5	44.4	5.9	July	678.2	145.6	92.4	451.73	42.1	10.73
744.9	705.9	38.9	5.2	August	684.7	149.2	96.2	472.69	42.7	11.07
738.5	702.0	36.6	4.9	September	688.8	147.0	94.2	471.71	43.0	10.97
743.7	702.9	40.8	5.5	October	687.9	144.9	92.0	467.41	43.0	10.87
INA	INA	INA	INA	November	692.4	146.1	93.8	477.17	43.3	11.02

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1987[b]	October 1987[c]	November 1986[c]	From Last Month	From Last Year
TOTAL	692.4	687.9	667.5	4.4	24.9
MANUFACTURING	146.1	144.9	149.4	1.2	- 3.3
Durable Goods[e]	78.6	77.7	82.7	.8	- 4.2
Fabricated metal products	11.3	11.2	11.1	.1	.2
Fabricated structural metal products	4.5	4.5	4.2	.0	.3
Machinery, except electrical	19.4	19.4	20.3	.0	- .9
Metalworking machinery	7.8	7.8	8.5	- .1	- .7
General industrial machinery	2.7	2.7	2.7	.0	.0
Electric and electronic equipment	7.5	7.4	7.6	.0	- .2
Transportation equipment	25.0	24.1	28.9	.9	- 3.9
Motor vehicles and equipment	4.8	3.6	8.5	1.2	- 3.7
Nondurable Goods[f]	67.6	67.1	66.6	.4	.9
Food and kindred products	13.3	13.2	13.2	.0	.1
Beverages	3.7	3.7	4.0	.0	- .3
Apparel and other textile products	4.0	3.8	3.6	.2	.4
Paper and allied products	6.8	6.7	6.5	.1	.3
Printing and publishing	13.4	13.4	13.2	.0	.2
Commercial printing	5.8	5.9	5.6	- .1	.2
Chemicals and allied products	22.4	22.3	22.3	.1	.1
Rubber and misc. plastics products	5.8	5.8	5.6	- .1	.2
NONMANUFACTURING[g]	546.3	543.1	518.1	3.2	28.1
CONSTRUCTION	31.7	32.2	28.9	- .5	2.8
TRANSPORTATION AND PUBLIC UTILITIES	35.5	35.5	34.6	.0	.8
Trucking and warehousing	9.7	9.6	9.7	.0	.0
Communication, electric, gas services	15.3	15.3	15.3	.0	.0
WHOLESALE TRADE	45.9	45.8	43.6	.1	2.3
Wholesale trade-durable goods	27.5	27.6	26.0	- .1	1.5
RETAIL TRADE	133.7	131.8	127.8	1.9	5.9
General merchandise stores	20.8	19.8	20.3	1.0	.4
FINANCE, INSURANCE, AND REAL ESTATE	41.0	40.7	38.8	.3	2.2
Banking	8.6	8.6	8.1	.1	.5
Insurance carriers	13.4	13.3	12.7	.1	.7
SERVICES	168.6	168.0	156.8	.5	11.8
Hotels and other lodging places	6.7	6.6	6.3	.1	.3
Personal services	8.5	8.5	8.1	.0	.4
Business services	41.0	40.9	36.7	.1	4.3
Amusement and recreation services	7.3	7.1	6.8	.2	.5
Health services	52.8	52.7	49.6	.1	3.2
Hospitals	25.3	25.3	23.6	.0	1.6
GOVERNMENT	89.5	88.6	87.2	.9	2.3
Federal government	14.4	14.3	14.0	.1	.4
State government	19.9	19.6	19.5	.3	.4
State government education[1]	12.0	11.8	11.7	.2	.3
State government, except education	7.9	7.8	7.8	.1	.1
Local government	55.2	54.7	53.7	.5	1.5
Local government education	32.9	32.3	32.0	.6	1.0
Local government, except education	22.3	22.3	21.8	.0	.5

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]
MANUFACTURING	$477.17	$467.41	$474.57	43.3	43.0	43.3	$11.02	$10.87	$10.96
Durable Goods[e]	475.23	464.40	484.34	43.4	43.2	43.4	10.95	10.75	11.16
Fabricated metal products	420.85	424.77	412.56	42.9	43.3	43.2	9.81	9.81	9.55
Fabricated structural metal products	428.15	429.57	436.00	43.6	43.7	43.6	9.82	9.83	10.00
Machinery, except electrical	434.88	424.42	434.00	43.1	42.4	43.4	10.09	10.01	10.00
Metalworking machinery	489.00	453.06	488.40	43.7	41.3	44.0	11.19	10.97	11.10
General industrial machinery	459.11	456.06	414.15	46.8	46.3	44.2	9.81	9.85	9.37
Electric and electronic equipment	363.74	355.72	369.08	41.1	40.7	41.1	8.85	8.74	8.98
Transportation equipment	705.74	695.19	693.46	46.4	46.1	46.2	15.21	15.08	15.01
Motor vehicles and equipment	772.19	797.02	686.21	47.2	48.1	44.3	16.36	16.57	15.49
Nondurable Goods[f]	480.20	469.94	464.83	43.3	42.8	43.2	11.09	10.98	10.76
Food and kindred products	539.63	510.51	482.36	45.5	44.2	43.3	11.86	11.55	11.14
Beverages	520.83	520.00	501.77	41.5	41.5	41.4	12.55	12.53	12.12
Apparel and other textile products	223.00	226.16	219.13	39.4	40.1	39.2	5.66	5.64	5.59
Paper and allied products	440.45	434.61	427.00	44.4	43.9	42.7	9.92	9.90	10.00
Printing and publishing	463.30	458.28	461.77	41.0	40.7	40.4	11.30	11.26	11.43
Commercial printing	480.82	468.86	522.85	42.4	41.9	43.9	11.34	11.19	11.91
Chemicals and allied products	556.84	536.78	551.09	43.3	42.2	44.3	12.86	12.72	12.44
Rubber and misc. plastics products	412.07	444.15	432.35	44.5	47.0	47.2	9.26	9.45	9.16
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	555.41	551.86	532.53	40.6	40.4	40.1	13.68	13.66	13.28
WHOLESALE TRADE	395.93	389.09	386.75	41.2	40.7	41.1	9.61	9.56	9.41
RETAIL TRADE[h]	164.93	165.79	161.57	29.4	29.5	28.8	5.61	5.62	5.61
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	259.44	260.78	258.81	....	....	....	.....	.....	.....

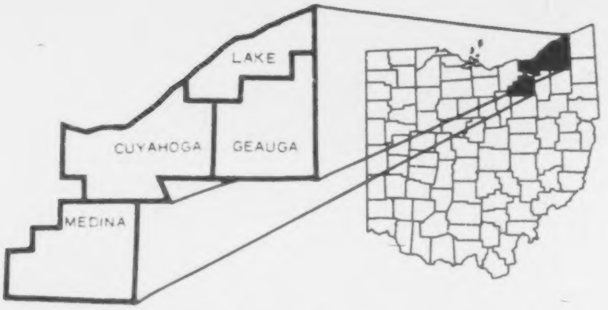
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	November 1987	October 1987	November 1986
Employment Service Program			
New Applicants	3,505	4,280	3,044
Active File of Job Seekers	21,010	21,333	24,646
Referrals to Jobs	2,333	2,833	2,017
Placements	956	1,147	606
Job Openings Received	1,163	1,960	778
Job Openings Unfilled	3,222	3,512	1,856
Unemployment Insurance Program			
Initial Claims	5,105	4,772	4,844
Continued Claims	37,324	39,438	34,363
First Payments	1,568	1,593	1,544
Last Payments	358	549	586
Weeks Compensated	27,130	35,570	24,906
Benefits Paid	$4,333,086	$5,748,297	$3,506,258
Average Weekly Payment	$162.88	$164.63	$144.23

[a] Ohio data only

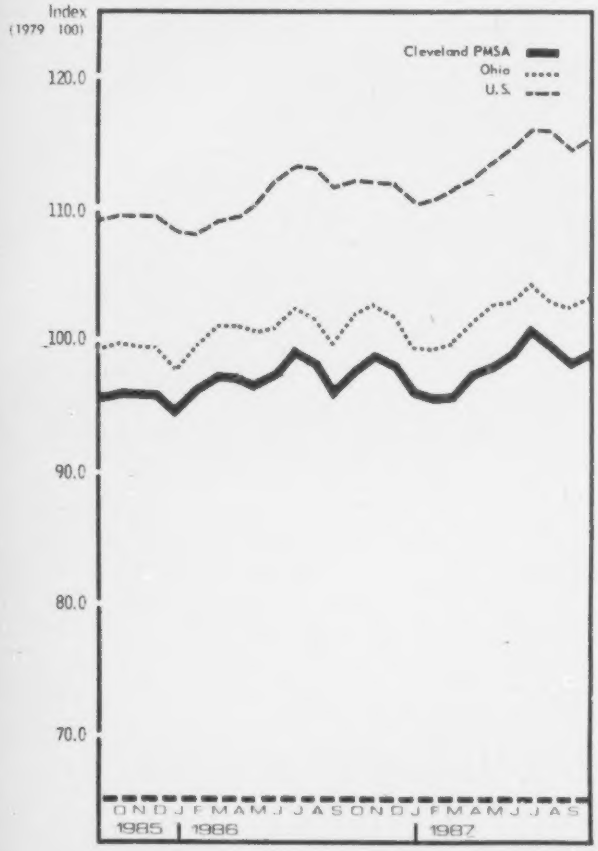
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



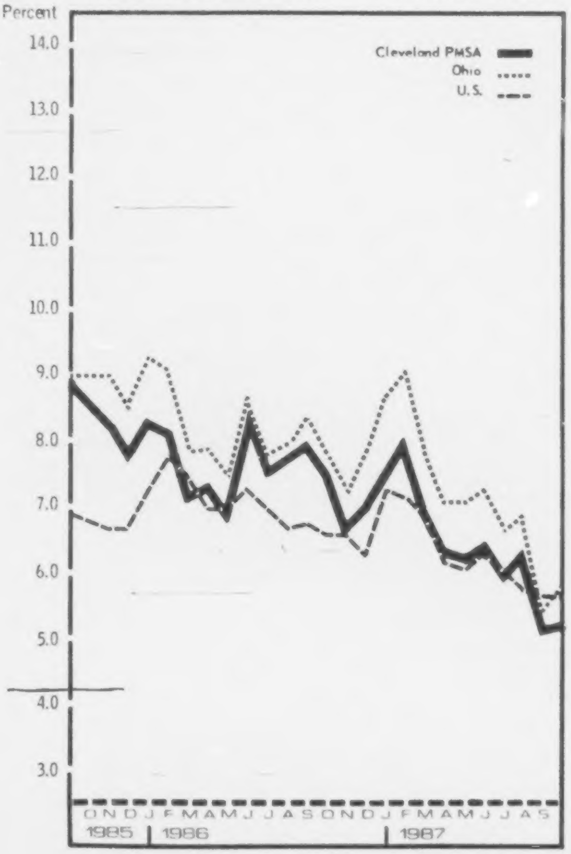
Nonfarm employment in the Cleveland metropolitan area increased 3,400 from October, to 917,000 in November. Manufacturing gained 1,000 workers as all durable-goods industries reflected increased employment, especially metal forgings and stampings, electric and electronic equipment, motor vehicles and equipment, and instruments and related products. Nonmanufacturing employment advanced 2,500 over the month, to 710,500. Seasonal gains in retail trade and nonteaching personnel in local schools outweighed seasonal declines in construction and amusement and recreation services. Factory production workers averaged $11.68 per hour, up slightly from October. Their average workweek, 43.9 hours, was .6 hours longer.

Nonagricultural wage and salary employment, since November 1986, advanced 23,100. Nonmanufacturing sectors accounted for 94.4 percent of the gain. Significant growth was noted in services, retail trade, and finance, insurance, and real estate. Manufacturing employment gained 1,300 jobs over the period due primarily to expansion in nondurable-goods industries, particularly chemicals and allied products, and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

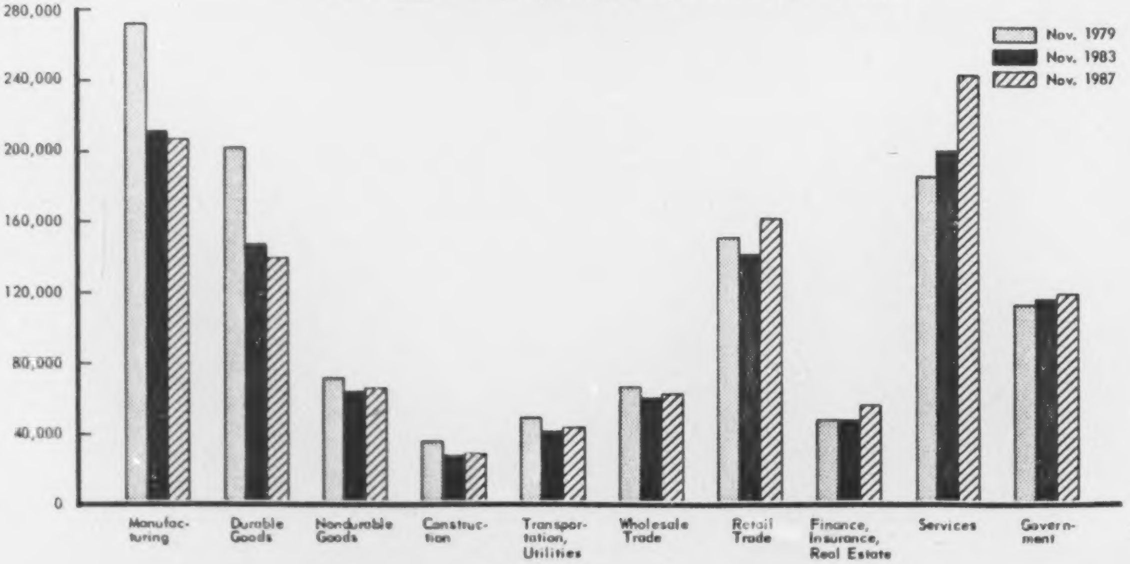


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
914.3	850.9	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
923.1	865.1	58.0	6.3	April	893.4	203.8	130.9	494.89	42.7	11.59
930.8	872.8	58.0	6.2	May	900.8	203.9	130.3	493.19	42.7	11.55
940.0	879.7	60.3	6.4	June	908.0	204.2	130.5	494.21	42.9	11.52
954.0	897.4	56.6	5.9	July	910.0	202.8	128.9	476.52	41.8	11.40
942.3	882.9	59.4	6.3	August	908.3	203.3	129.6	486.75	42.4	11.48
918.1	871.2	46.9	5.1	September	909.4	204.6	131.0	487.05	42.5	11.46
926.2	878.2	48.0	5.2	October	913.6	205.6	131.9	501.85	43.3	11.59
INA	INA	INA	INA	November	917.0	206.5	132.9	512.75	43.9	11.68

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1987[b]	October 1987[c]	November 1986[c]	From Last Month	From Last Year
TOTAL	917.0	913.6	893.9	3.4	23.1
MANUFACTURING	206.5	205.6	205.2	1.0	1.3
Durable Goods[e]	140.3	139.2	140.3	1.1	.0
Primary metal industries	21.2	21.1	21.3	.1	- .1
Iron and steel foundries	5.3	5.2	5.4	.1	- .1
Fabricated metal products	33.2	33.0	32.4	.2	.8
Fabricated structural metal products	3.9	3.8	3.8	.1	.0
Screw machine products, bolts, etc.	4.9	4.8	4.6	.0	.2
Metal forgings and stampings	11.5	11.3	11.1	.2	.4
Machinery, except electrical	30.2	30.1	30.5	.1	- .3
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	9.8	9.8	9.9	.0	- .2
Special industry machinery	3.2	3.2	3.5	.0	- .3
General industrial machinery	2.8	2.7	2.9	.0	- .1
Electric and electronic equipment	19.3	19.1	19.2	.2	.2
Electrical industrial apparatus	6.6	6.6	6.5	.0	.1
Transportation equipment	19.3	19.0	19.4	.2	- .1
Motor vehicles and equipment	12.3	12.1	12.4	.2	- .1
Instruments and related products	6.3	6.1	7.2	.2	- .9
Measuring and controlling devices	4.1	4.1	4.3	.1	- .2
Nondurable Goods[f]	66.3	66.4	64.9	- .1	1.3
Food and kindred products	7.1	7.1	6.8	.0	.3
Apparel and other textile products	4.0	4.0	4.4	.0	- .3
Paper and allied products	5.8	5.8	5.5	.0	.3
Printing and publishing	16.9	16.9	16.7	.0	.2
Chemicals and allied products	15.0	15.1	14.3	.0	.7
Rubber and misc. plastics products	12.2	12.2	12.1	.0	.1
NONMANUFACTURING[g]	710.5	708.0	688.7	2.5	21.8
CONSTRUCTION	28.7	29.5	27.0	- .9	1.7
TRANSPORTATION AND PUBLIC UTILITIES	42.0	41.9	42.0	.1	.0
Trucking and warehousing	12.4	12.2	11.9	.2	.5
Communication, electric, gas services	18.1	18.1	18.8	- .1	- .8
WHOLESALE TRADE	62.2	62.2	62.4	.0	- .2
Wholesale trade-durable goods	42.8	42.8	43.3	- .1	- .5
RETAIL TRADE	160.5	158.2	155.9	2.2	4.6
General merchandise stores	21.7	20.7	21.8	1.0	- .1
FINANCE, INSURANCE, AND REAL ESTATE	55.5	55.4	53.0	.0	2.4
Banking	13.5	13.5	13.1	.0	.4
Credit agencies other than banks	9.2	9.2	8.8	.1	.5
Insurance carriers	13.4	13.3	12.8	.0	.6
SERVICES	241.7	242.3	229.7	- .6	12.0
Business services	55.3	55.3	51.0	.0	4.3
Amusement and recreation services	7.3	8.0	7.2	- .7	.0
Health services	76.3	76.3	73.1	.1	3.3
Hospitals	44.3	44.3	42.2	.0	2.1
GOVERNMENT	119.0	117.3	117.7	1.7	1.3
Federal government	20.5	20.3	20.1	.1	.4
State government	8.1	8.2	8.0	- .2	.0
State government education[i]	3.0	3.1	3.0	- .1	.0
State government, except education	5.1	5.1	5.0	.0	.1
Local government	90.4	88.7	89.5	1.7	.9
Local government education	45.4	44.1	43.8	1.3	1.6
Local government, except education	45.0	44.6	45.7	.4	- .7

Hours & Earnings of Production or Nonsupervisory Workers[a]

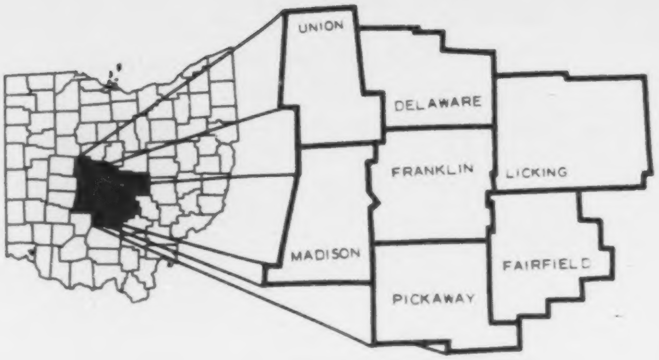
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]
MANUFACTURING	$512.75	$501.85	$500.39	43.9	43.3	43.1	$11.68	$11.59	$11.61
Durable Goods[e]	550.92	538.36	534.45	44.9	44.2	43.7	12.27	12.18	12.23
Primary metal industries	610.06	592.39	610.16	47.0	46.1	44.7	12.98	12.85	13.65
Iron and steel foundries	862.00	816.22	850.68	50.0	47.9	51.0	17.24	17.04	16.68
Fabricated metal products	542.57	536.99	513.86	44.4	43.8	43.4	12.22	12.26	11.84
Fabricated structural metal products	423.42	384.69	359.97	42.3	39.7	39.0	10.01	9.69	9.23
Screw machine products, bolts, etc.	540.22	508.08	438.06	48.8	46.4	42.0	11.07	10.95	10.43
Metal forgings and stampings	670.56	681.39	682.86	45.4	45.7	46.9	14.77	14.91	14.56
Machinery, except electrical	521.26	497.80	471.23	44.4	43.4	42.8	11.74	11.47	11.01
Construction and related machinery	443.58	423.57	421.34	47.8	46.7	45.6	9.28	9.07	9.24
Metalworking machinery	446.84	441.98	434.00	41.8	41.5	42.3	10.69	10.65	10.26
Special industry machinery	502.14	504.25	478.40	40.3	40.6	39.9	12.46	12.42	11.99
General industrial machinery	520.95	504.19	500.16	45.3	44.5	45.1	11.50	11.33	11.09
Electric and electronic equipment	455.18	455.61	424.04	42.7	42.7	40.5	10.66	10.67	10.47
Electrical industrial apparatus	510.85	516.65	455.67	43.7	44.5	41.5	11.69	11.61	10.98
Transportation equipment	733.67	723.93	759.99	47.0	47.1	49.0	15.61	15.37	15.51
Motor vehicles and equipment	800.85	789.18	807.76	47.5	47.8	49.8	16.86	16.51	16.22
Instruments and related products	411.60	402.69	420.75	42.0	41.6	41.7	9.80	9.68	10.09
Measuring and controlling devices	406.40	404.81	412.05	40.0	40.4	41.0	10.16	10.02	10.05
Nondurable Goods[f]	422.66	417.96	417.25	41.6	41.3	41.6	10.16	10.12	10.03
Food and kindred products	371.96	367.84	389.25	41.7	41.8	41.9	8.92	8.80	9.29
Apparel and other textile products	321.09	322.43	304.98	38.5	38.8	38.9	8.34	8.31	7.84
Paper and allied products	481.50	470.68	470.24	42.8	42.1	43.3	11.25	11.18	10.86
Printing and publishing	433.23	432.52	433.92	40.3	39.9	39.7	10.75	10.84	10.93
Chemicals and allied products	509.84	509.22	504.93	42.7	42.9	42.9	11.94	11.87	11.77
Rubber and misc. plastics products	384.38	375.16	375.73	42.9	42.2	42.6	8.96	8.89	8.82
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	589.12	585.40	575.04	41.4	41.4	41.7	14.23	14.14	13.79
WHOLESALE TRADE	403.92	405.27	394.02	39.6	39.5	39.6	10.20	10.26	9.95
RETAIL TRADE[h]	174.62	185.45	178.92	27.2	28.4	28.4	6.42	6.53	6.30
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	295.00	296.79	292.73	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	343.95	343.31	339.86	31.7	31.7	32.9	10.35	10.83	10.33

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1987	October 1987	November 1986
Employment Service Program			
New Applicants	4,605	5,964	7,117
Active File of Job Seekers	58,206	59,045	104,344
Referrals to Jobs	2,020	2,634	2,432
Placements	385	425	430
Job Openings Received	1,005	1,391	931
Job Openings Unfilled	2,573	2,624	2,523
Unemployment Insurance Program			
Initial Claims	10,220	6,325	7,932
Continued Claims	52,927	51,324	60,033
First Payments	2,316	2,516	2,816
Last Payments	841	994	1,071
Weeks Compensated	37,626	44,791	47,535
Benefits Paid	$5,474,694	$6,460,162	$6,998,421
Average Weekly Payment	$148.63	$147.11	$150.00

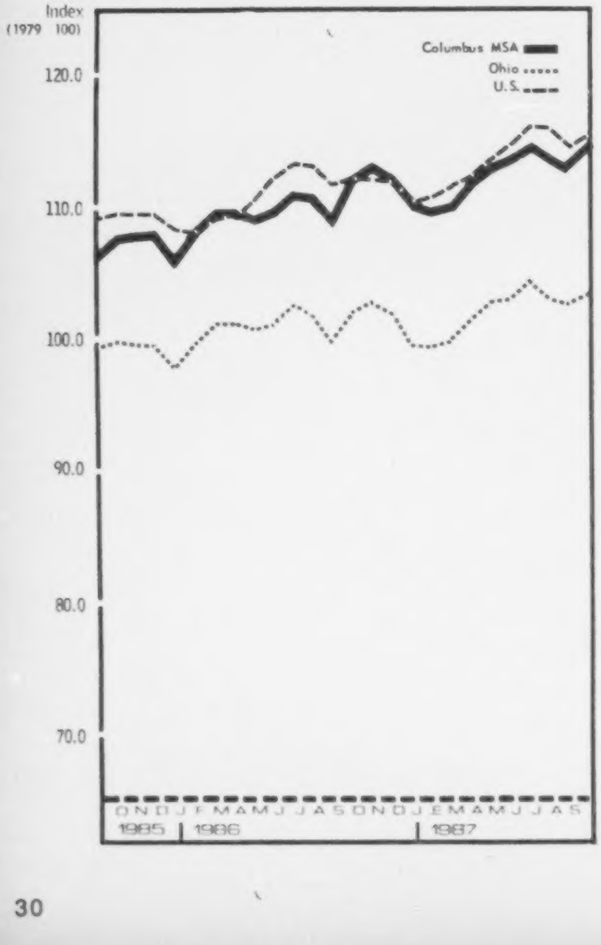
COLUMBUS
METROPOLITAN STATISTICAL AREA



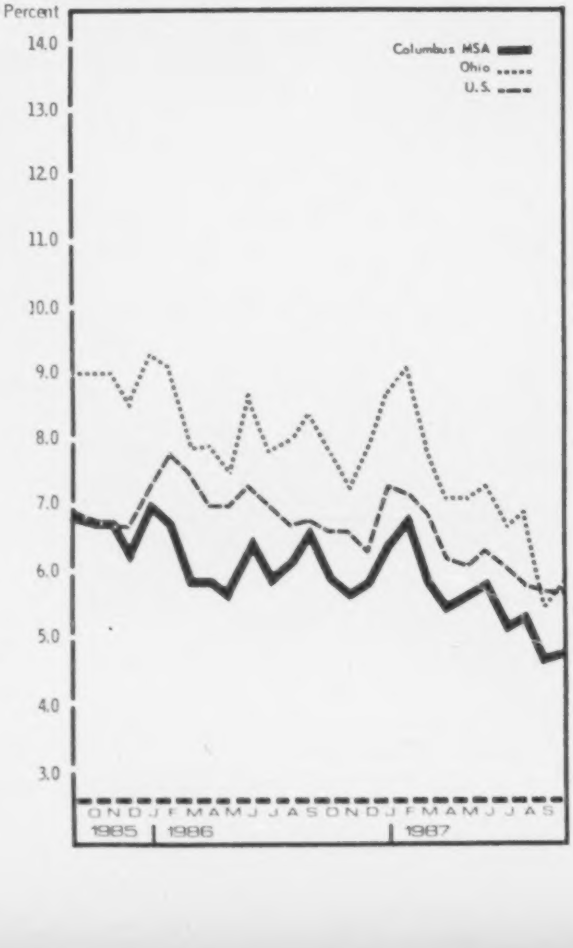
Nonfarm wage and salary employment in the Columbus metropolitan area totaled 674,200 in November, up 3,700 from October. The improvement was due primarily to seasonal growth in retail trade and state and local schools and colleges. Manufacturing employment, at 102,400, was down slightly, with transportation equipment losing 500 workers over the month. Factory production workers earned an average of $11.49 an hour for a workweek of 42.4 hours, both up slightly from October.

Since November 1986, nonfarm employment increased 25,400. All nonmanufacturing sectors recorded growth. The most notable increases were in services, retail trade, and construction. Manufacturing employment declined 3,800 over the period. Losses in transportation equipment, stone, clay, and glass products, and fabricated metal products overshadowed scattered gains in nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

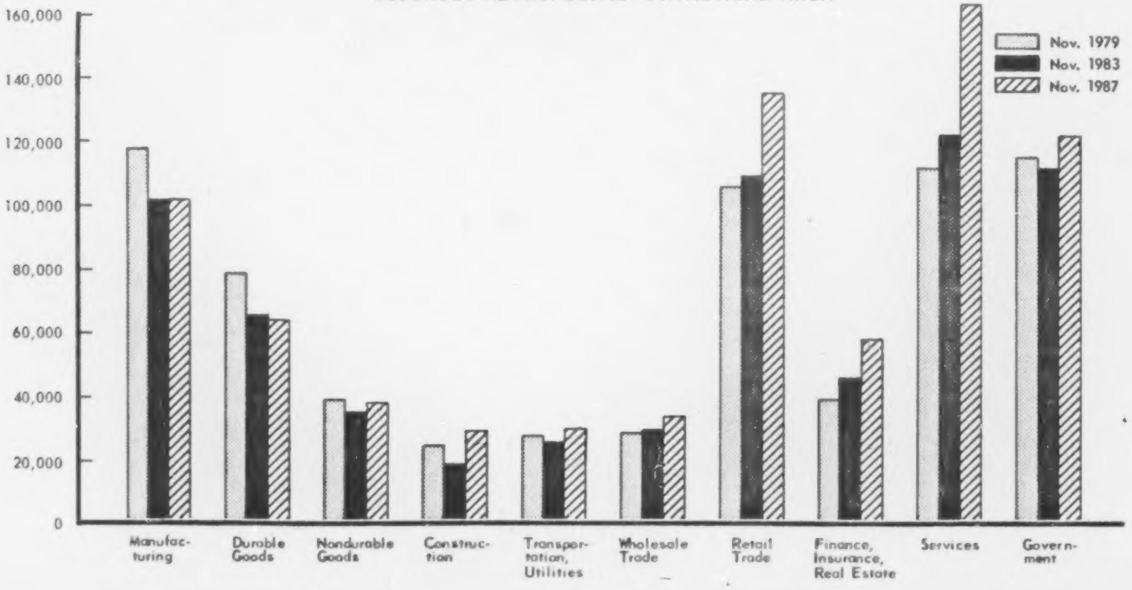


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.6	635.4	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
682.2	645.7	36.5	5.4	April	650.6	103.0	68.2	466.49	41.1	11.35
691.2	652.2	39.0	5.6	May	656.6	102.6	67.9	474.24	41.6	11.40
696.4	656.1	40.3	5.8	June	661.0	103.1	68.2	473.10	41.5	11.40
697.2	661.3	35.9	5.1	July	653.4	102.3	67.3	474.12	41.3	11.48
692.2	655.6	36.6	5.3	August	657.9	102.7	67.7	467.72	41.1	11.38
682.8	651.3	31.5	4.6	September	663.2	102.6	67.6	477.88	41.7	11.46
695.0	662.1	33.0	4.7	October	670.5	102.7	67.5	483.91	42.3	11.44
INA	INA	INA	INA	November	674.2	102.4	67.1	487.18	42.4	11.49

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1987[b]	October 1987[c]	November 1986[c]	From Last Month	From Last Year
TOTAL	674.2	670.5	648.7	3.7	25.4
MANUFACTURING	102.4	102.7	106.1	- .4	- 3.8
Durable Goods[e]	64.3	64.5	69.2	- .2	- 5.0
Stone, clay, and glass products	10.3	10.1	11.5	.1	- 1.3
Glass and glassware, pressed or blown	4.2	4.2	4.6	.1	- .4
Fabricated metal products	9.0	9.0	10.0	.0	- 1.0
Fabricated structural metal products	2.7	2.8	2.9	- .1	- .2
Machinery, except electrical	9.6	9.6	9.3	.0	.3
Electric and electronic equipment	10.8	10.8	11.2	.0	- .4
Transportation equipment	12.8	13.3	16.0	- .5	- 3.2
Instruments and related products	4.1	4.1	4.0	.0	.1
Nondurable Goods[f]	38.1	38.2	36.9	- .1	1.2
Food and kindred products	10.6	10.6	10.0	- .1	.5
Printing and publishing	10.1	10.1	9.9	.0	.2
Chemicals and allied products	7.1	7.1	7.1	.0	.0
Rubber and misc. plastics products	5.8	5.8	5.5	.0	.3
NONMANUFACTURING[g]	571.8	567.8	542.6	4.0	29.2
CONSTRUCTION	29.4	30.1	26.2	- .7	3.2
TRANSPORTATION AND PUBLIC UTILITIES	30.0	29.7	28.4	.3	1.6
Trucking and warehousing	12.2	12.0	11.3	.2	.9
Communication, electric, gas services	12.4	12.4	12.2	.0	.2
WHOLESALE TRADE	33.8	33.7	32.7	.1	1.1
Wholesale trade-durable goods	22.1	22.0	21.4	.1	.7
RETAIL TRADE	135.1	132.6	129.8	2.6	5.4
General merchandise stores	20.1	19.1	19.6	1.0	.5
FINANCE, INSURANCE, AND REAL ESTATE	57.6	57.3	54.7	.3	2.9
Banking	12.1	12.0	11.7	.0	.4
Insurance carriers	21.9	21.8	21.1	.1	.8
SERVICES	162.6	162.3	150.1	.3	12.5
Business services	38.6	38.4	34.0	.2	4.6
Health services	41.2	41.0	38.6	.2	2.6
Hospitals	17.7	17.6	16.7	.1	1.0
GOVERNMENT	122.2	121.1	119.7	1.0	2.5
Federal government	15.4	15.4	15.5	.1	.0
State government	54.2	53.8	52.7	.5	1.6
State government education[i]	23.6	23.3	23.1	.4	.5
State government, except education	30.6	30.5	29.6	.1	1.0
Local government	52.5	52.0	51.5	.5	1.0
Local government education	31.8	31.4	31.1	.5	.8
Local government, except education	20.6	20.6	20.5	.0	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

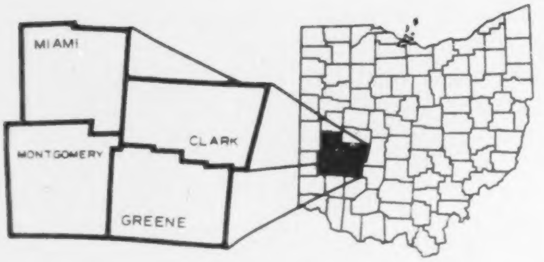
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]
MANUFACTURING	$487.18	$483.91	$467.93	42.4	42.3	41.3	$11.49	$11.44	$11.33
Durable Goods[e]	497.25	499.16	479.41	42.5	42.7	41.4	11.70	11.69	11.58
Stone, clay, and glass products	475.27	477.76	455.49	41.4	41.4	39.3	11.48	11.54	11.59
Glass and glassware, pressed or blown	429.60	432.33	427.60	40.0	39.7	40.0	10.74	10.89	10.69
Fabricated metal products	538.32	522.37	491.21	43.1	42.4	40.9	12.49	12.32	12.01
Fabricated structural metal products	500.82	466.13	435.25	45.2	43.2	41.1	11.08	10.79	10.59
Machinery, except electrical	446.01	437.78	449.35	41.8	41.3	41.8	10.67	10.60	10.75
Electric and electronic equipment	455.94	464.71	464.02	40.6	40.8	41.1	11.23	11.39	11.29
Transportation equipment	660.31	655.67	565.04	47.3	46.8	43.7	13.96	14.01	12.93
Instruments and related products	417.33	423.23	384.30	40.4	40.5	39.7	10.33	10.45	9.68
Nondurable Goods[f]	466.47	454.43	444.55	42.1	41.5	41.2	11.08	10.95	10.79
Food and kindred products	458.43	438.00	419.02	41.6	40.0	40.8	11.02	10.95	10.27
Printing and publishing	547.56	538.14	508.07	40.5	40.1	39.6	13.52	13.42	12.83
Chemicals and allied products	562.88	543.99	541.01	43.6	42.4	42.7	12.91	12.83	12.67
Rubber and misc. plastics products	359.93	363.62	348.59	42.9	43.6	42.1	8.39	8.34	8.28
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	565.79	569.33	568.79	40.5	40.9	41.7	13.97	13.92	13.64
WHOLESALE TRADE	350.61	356.57	338.07	37.7	38.3	38.2	9.30	9.31	8.85
RETAIL TRADE[h]	175.56	176.79	165.87	28.5	28.7	28.5	6.16	6.16	5.82
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	254.91	261.84	249.06	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	337.76	338.18	323.19	34.5	34.9	34.2	9.79	9.69	9.45

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1987	October 1987	November 1986
Employment Service Program			
New Applicants	5,057	5,991	4,114
Active File of Job Seekers	31,241	32,097	34,524
Referrals to Jobs	2,407	3,977	1,787
Placements	615	1,765	617
Job Openings Received	1,245	2,576	1,218
Job Openings Unfilled	2,925	3,147	5,019
Unemployment Insurance Program			
Initial Claims	5,221	4,310	5,564
Continued Claims	37,017	34,101	35,770
First Payments	1,859	1,877	2,413
Last Payments	636	564	607
Weeks Compensated	26,632	29,318	27,413
Benefits Paid	$4,179,103	$4,593,548	$4,091,930
Average Weekly Payment	$160.51	$160.32	$152.68

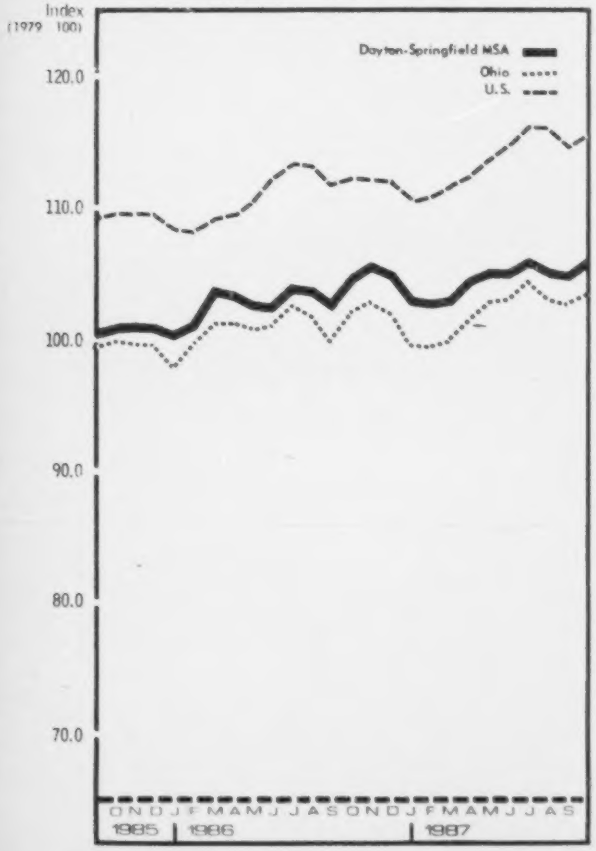
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



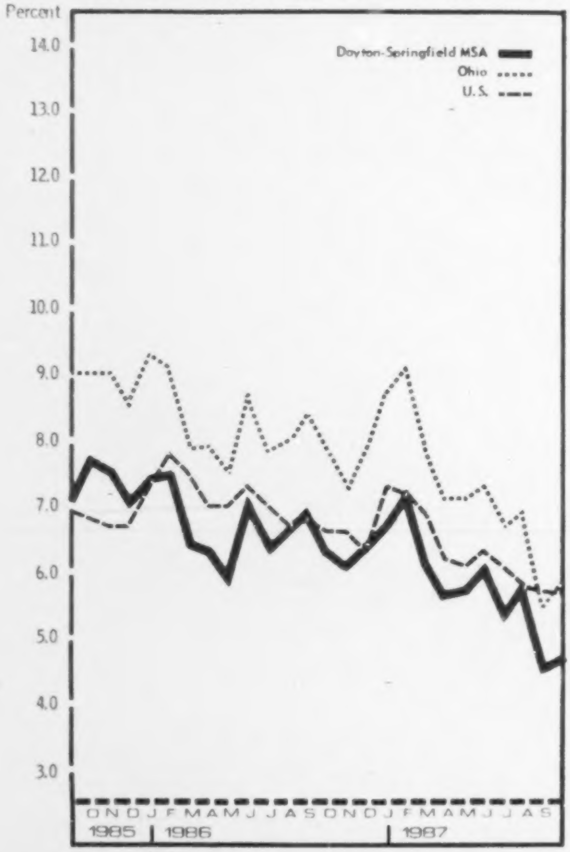
In the Dayton-Springfield area, nonagricultural wage and salary employment for the month of November totaled 440,600, an increase of 2,100 jobs from October. The advancement was concentrated in nonmanufacturing, with seasonal increases occurring in retail trade and state and local government education. Manufacturing employment showed little change over the month, at 104,200. Factory production workers earned an average of $11.96 per hour in November, up $.05 from October. Their average workweek remained unchanged at 42.6 hours.

Since November 1986, nonagricultural employment increased 9,400. Growth in business and health services and retail trade contributed most to the increase. Manufacturing employment declined 2,100 over the year, with significant losses in transportation equipment, nonelectrical machinery, and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

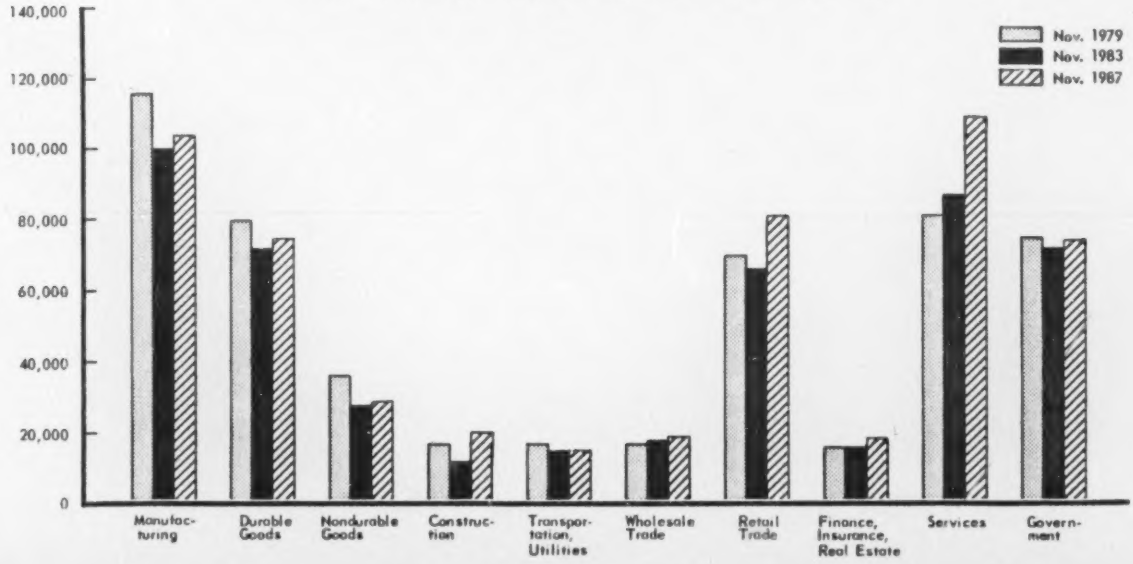


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate		–			Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
462.2	428.7	33.5	7.2	February	423.9	105.1	67.9	505.56	42.2	11.98
457.8	430.1	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85
462.4	436.4	26.0	5.6	April	431.4	105.2	68.0	486.10	41.3	11.77
466.0	439.2	26.7	5.7	May	433.8	104.7	67.5	486.04	41.4	11.74
467.3	439.0	28.4	6.1	June	433.5	104.7	67.3	502.18	42.2	11.90
467.3	442.5	24.8	5.3	July	428.7	104.1	66.1	492.19	41.5	11.86
465.5	438.7	26.8	5.8	August	431.4	104.6	66.7	492.89	41.7	11.82
459.1	438.2	20.9	4.5	September	437.6	105.2	67.9	487.69	41.4	11.78
464.5	442.7	21.8	4.7	October	438.6	104.1	66.9	507.37	42.6	11.91
INA	INA	INA	INA	November	440.6	104.2	67.4	509.50	42.6	11.96

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1987[b]	October 1987[c]	November 1986[c]	From Last Month	From Last Year
TOTAL	440.6	438.6	431.2	2.1	9.4
MANUFACTURING	104.2	104.1	106.3	.1	-2.1
Durable Goods[e]	74.8	74.7	76.8	.1	-2.0
Fabricated metal products	8.1	8.1	8.3	.0	-.2
Machinery, except electrical	30.3	30.1	31.1	.2	-.9
Metalworking machinery	6.6	6.5	6.8	.1	-.2
General industrial machinery	2.6	2.6	2.6	.0	.1
Electric and electronic equipment	5.8	5.9	6.0	-.1	-.1
Electrical industrial apparatus	3.4	3.4	3.5	.0	-.1
Transportation equipment	21.0	20.9	22.0	.1	-1.0
Nondurable Goods[f]	29.4	29.4	29.4	.0	-.1
Food and kindred products	3.1	3.0	2.9	.1	.2
Paper and allied products	6.0	6.2	5.9	-.1	.2
Printing and publishing	8.9	8.8	8.6	.1	.3
Rubber and misc. plastics products	7.6	7.7	8.2	.0	-.6
NONMANUFACTURING[g]	336.5	334.5	325.0	1.9	11.5
CONSTRUCTION	19.9	20.4	16.8	-.4	3.2
TRANSPORTATION AND PUBLIC UTILITIES	15.0	15.1	15.0	-.1	.0
Communication, electric, gas services	5.6	5.6	6.0	.0	-.5
WHOLESALE TRADE	19.3	19.3	19.1	-.1	.2
Wholesale trade-durable goods	13.3	13.3	13.1	.0	.2
RETAIL TRADE	81.2	80.0	78.9	1.2	2.3
General merchandise stores	12.3	11.7	12.7	.6	-.4
FINANCE, INSURANCE, AND REAL ESTATE	17.8	17.8	17.5	.0	.3
Banking	4.3	4.4	4.2	.0	.1
Credit agencies other than banks	4.6	4.6	4.6	.1	.0
Insurance carriers	2.6	2.6	2.8	-.1	-.2
SERVICES	109.1	108.9	103.6	.2	5.4
Business services	27.5	27.4	25.2	.1	2.3
Health services	35.7	36.0	34.5	-.3	1.2
Hospitals	18.2	18.5	18.2	-.3	.0
Educational services	7.7	7.2	7.6	.5	.2
GOVERNMENT	73.7	72.6	73.6	1.1	.1
Federal government	28.5	28.5	27.4	.1	1.1
State government	7.2	6.4	7.0	.8	.2
State government education[i]	4.3	3.5	4.4	.8	-.1
State government, except education	2.9	2.9	2.6	.0	.3
Local government	38.0	37.7	39.1	.2	-1.2
Local government education	23.5	23.1	24.8	.4	-1.3
Local government, except education	14.5	14.6	14.4	-.2	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

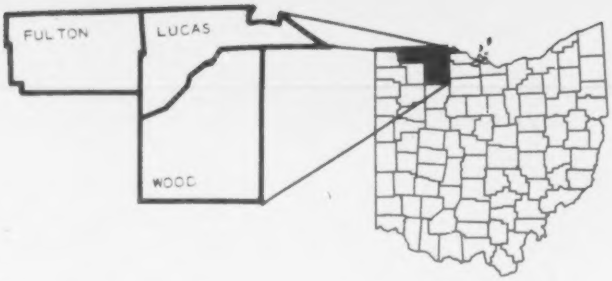
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]
MANUFACTURING	$509.50	$507.37	$505.83	42.6	42.6	42.4	$11.96	$11.91	$11.93
Durable Goods[e]	513.46	512.98	512.25	42.4	42.5	42.3	12.11	12.07	12.11
Fabricated metal products	385.73	380.69	395.64	41.7	41.2	42.0	9.25	9.24	9.42
Machinery, except electrical	555.55	561.55	540.99	43.2	43.7	42.8	12.86	12.85	12.64
Metalworking machinery	553.38	551.89	527.61	46.0	45.8	44.3	12.03	12.05	11.91
General industrial machinery	442.15	455.34	397.84	41.4	42.2	38.7	10.68	10.79	10.28
Electric and electronic equipment	442.68	427.63	411.63	46.5	45.3	44.5	9.52	9.44	9.25
Electrical industrial apparatus	524.60	520.78	499.69	48.8	48.4	46.7	10.75	10.76	10.70
Transportation equipment	599.87	596.77	603.96	41.2	41.1	42.0	14.56	14.52	14.38
Nondurable Goods[f]	499.68	490.92	486.78	43.3	42.8	42.7	11.54	11.47	11.40
Food and kindred products	360.18	361.09	347.70	43.5	43.4	43.3	8.28	8.32	8.03
Paper and allied products	523.45	498.41	491.04	47.2	45.6	46.5	11.09	10.93	10.56
Printing and publishing	462.07	451.67	429.84	41.0	40.4	39.8	11.27	11.18	10.80
Rubber and misc. plastics products	621.11	630.29	616.85	42.6	43.2	42.6	14.58	14.59	14.48
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	548.63	546.07	536.51	40.4	40.3	40.4	13.58	13.55	13.28
WHOLESALE TRADE	430.77	430.98	403.40	41.5	41.6	40.3	10.38	10.36	10.01
RETAIL TRADE[h]	158.76	162.45	154.83	28.0	28.4	28.1	5.67	5.72	5.51
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	365.98	363.58	351.03	34.3	34.3	33.4	10.67	10.60	10.51

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1987	October 1987	November 1986
Employment Service Program			
New Applicants	2,756	2,754	2,565
Active File of Job Seekers	19,290	19,739	23,880
Referrals to Jobs	1,251	1,456	1,043
Placements	463	318	190
Job Openings Received	561	978	616
Job Openings Unfilled	2,187	2,492	1,442
Unemployment Insurance Program			
Initial Claims	3,604	2,455	3,645
Continued Claims	21,025	18,356	23,085
First Payments	939	1,261	1,415
Last Payments	302	370	373
Weeks Compensated	15,398	17,940	18,177
Benefits Paid	$2,104,245	$2,465,880	$2,527,117
Average Weekly Payment	$139.62	$140.36	$142.09

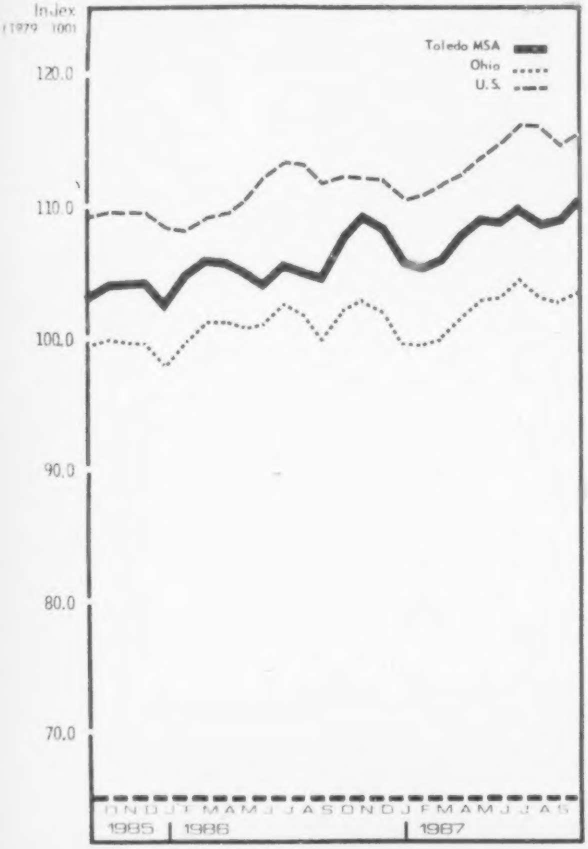
TOLEDO METROPOLITAN STATISTICAL AREA



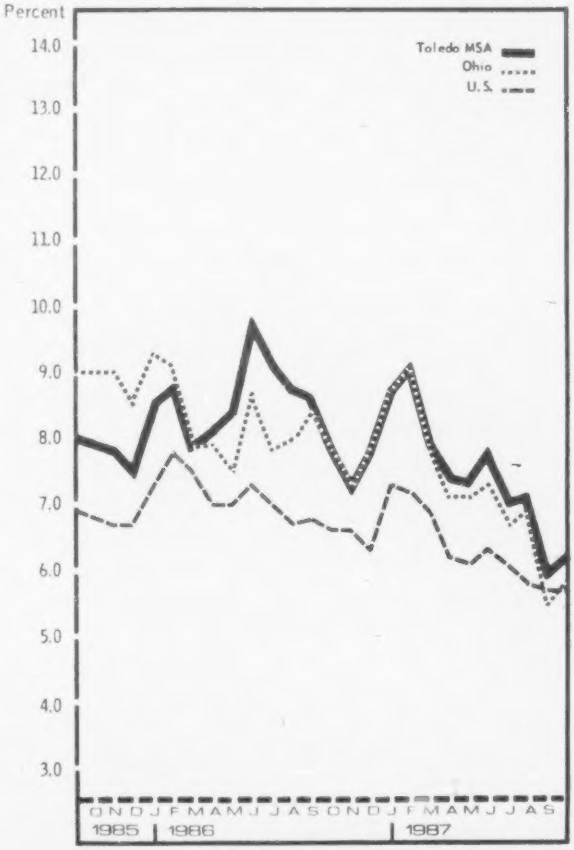
November nonfarm employment in the Toledo MSA increased 2,200 from October, to 293,200. Although scattered gains were noted in nonmanufacturing industries, seasonal hiring in retail trade contributed most to the creation of 1,600 jobs. Manufacturing employment rose 600 over the month due primarily to improvement in fabricated metal products and electric and electronic equipment. Production workers averaged $12.83 an hour, up slightly from last month. Their average workweek of 42.9 hours was .8 hours longer.

Nonagricultural wage and salary employment advanced 10,300 since November 1986. Nonmanufacturing employment increased 11,100 due chiefly to growth in business and health services, retail trade, and construction. Reductions in motor vehicles and equipment and electric and electronic equipment contributed to the loss of 800 manufacturing employees during the period.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

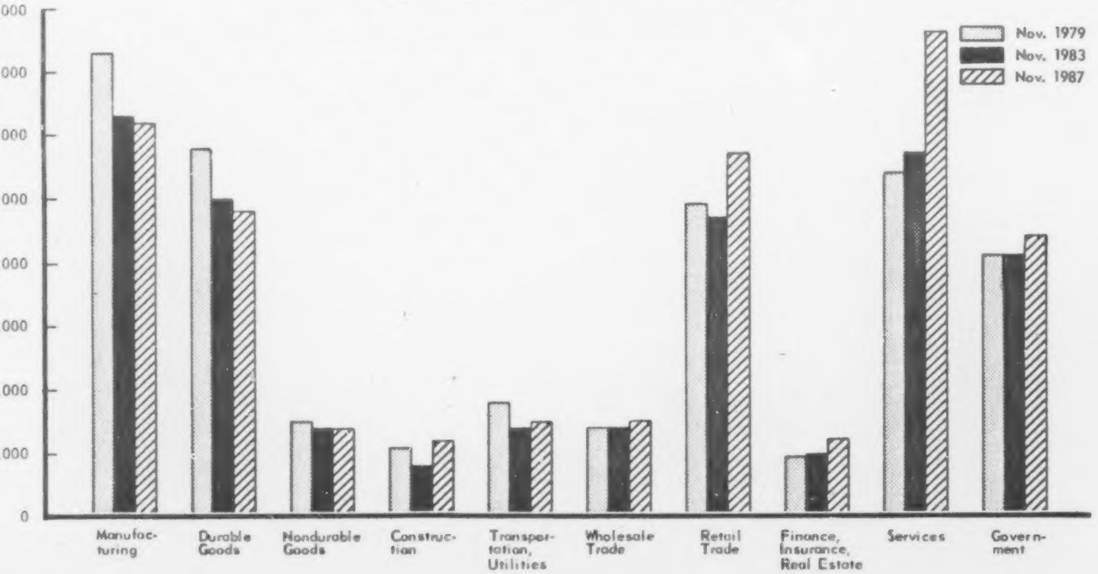


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
307.3	282.9	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
310.9	287.9	23.0	7.4	April	282.7	62.3	44.0	537.21	42.4	12.67
314.0	291.1	22.8	7.3	May	285.6	62.0	43.5	532.55	41.9	12.71
313.7	289.3	24.4	7.8	June	283.8	62.2	43.6	529.19	41.8	12.66
315.4	293.4	22.0	7.0	July	282.3	61.7	43.0	523.27	41.3	12.67
311.9	289.6	22.3	7.1	August	282.9	62.7	44.0	534.66	42.4	12.61
309.4	291.0	18.3	5.9	September	288.7	63.1	44.4	539.33	42.4	12.72
314.2	294.6	19.5	6.2	October	291.0	61.7	43.3	536.78	42.1	12.75
INA	INA	INA	INA	November	293.2	62.3	43.8	550.41	42.9	12.83

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1987[b]	October 1987[c]	November 1986[c]	From Last Month	From Last Year
TOTAL	293.2	291.0	283.0	2.2	10.3
MANUFACTURING	62.3	61.7	63.1	.6	- .8
Durable Goods[e]	48.0	47.5	49.2	.5	- 1.2
Stone, clay, and glass products	8.1	8.0	8.1	.1	.0
Primary metal industries	3.1	3.1	3.2	.0	- .1
Fabricated metal products	7.3	7.1	7.5	.2	- .2
Metal forgings and stampings	3.0	3.0	3.3	.0	- .2
Machinery, except electrical	6.2	6.1	6.1	.0	.1
Electric and electronic equipment	2.6	2.3	2.9	.2	- .4
Transportation equipment	16.2	16.2	16.8	.0	- .6
Motor vehicles and equipment	15.3	15.2	15.8	.1	- .5
Nondurable Goods[f]	14.3	14.2	13.9	.1	.4
Food and kindred products	3.6	3.6	3.3	.0	.3
Rubber and misc. plastics products	3.3	3.2	3.1	.1	.2
NONMANUFACTURING[g]	231.0	229.3	219.9	1.6	11.1
CONSTRUCTION	12.0	12.2	10.8	- .2	1.3
TRANSPORTATION AND PUBLIC UTILITIES	15.0	14.9	14.5	.0	.5
Trucking and warehousing	6.1	6.0	5.7	.1	.4
Communication, electric, gas services	5.1	5.1	5.1	.0	- .1
WHOLESALE TRADE	14.7	14.8	14.5	- .1	.2
Wholesale trade-durable goods	9.6	9.7	9.6	- .1	.1
RETAIL TRADE	57.2	55.9	54.9	1.3	2.3
General merchandise stores	7.8	7.4	7.9	.4	- .1
FINANCE, INSURANCE, AND REAL ESTATE	11.7	11.6	11.3	.0	.3
Banking	3.6	3.6	3.5	.0	.0
SERVICES	76.2	76.1	70.7	.1	5.5
Business services	15.4	15.3	13.3	.2	2.1
Health services	30.0	29.9	28.5	.1	1.5
Hospitals	15.5	15.5	15.0	.0	.5
GOVERNMENT	43.9	43.5	42.9	.4	1.0
State government	16.7	16.5	16.4	.2	.3
State government education[i]	12.6	12.4	12.5	.2	.1
State government, except education	4.1	4.1	3.9	.0	.2
Local government	24.7	24.4	24.0	.3	.7
Local government education	14.5	14.2	13.9	.2	.6
Local government, except education	10.2	10.2	10.1	.0	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]
MANUFACTURING	$550.41	$536.78	$524.99	42.9	42.1	42.1	$12.83	$12.75	$12.47
Durable Goods[e]	578.96	559.15	547.33	43.4	42.2	42.2	13.34	13.25	12.97
Stone, clay, and glass products	533.81	508.28	539.71	41.9	40.5	42.8	12.74	12.55	12.61
Primary metal industries	483.15	491.00	504.41	43.1	43.8	43.9	11.21	11.21	11.49
Fabricated metal products	569.78	541.37	504.69	44.9	43.0	41.3	12.69	12.59	12.22
Metal forgings and stampings	740.83	686.60	589.53	48.2	45.5	43.0	15.37	15.09	13.71
Machinery, except electrical	509.98	487.21	477.24	43.0	41.5	41.9	11.86	11.74	11.39
Electric and electronic equipment	509.50	483.60	562.72	41.9	40.3	44.1	12.16	12.00	12.76
Transportation equipment	683.27	657.41	644.73	43.3	41.9	42.5	15.78	15.69	15.17
Motor vehicles and equipment	685.15	659.60	647.28	43.2	41.8	42.5	15.86	15.78	15.23
Nondurable Goods[f]	452.24	460.22	445.95	41.3	41.8	41.6	10.95	11.01	10.72
Food and kindred products	492.38	529.99	515.58	41.1	43.3	42.4	11.98	12.24	12.16
Rubber and misc. plastics products	341.52	326.02	333.33	40.9	40.2	41.0	8.35	8.11	8.13
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	592.04	593.89	624.09	41.2	41.3	43.1	14.37	14.38	14.48
WHOLESALE TRADE	366.14	353.81	360.30	38.5	37.8	38.7	9.51	9.36	9.31
RETAIL TRADE[h]	161.84	162.96	155.77	28.9	29.1	28.9	5.60	5.60	5.39

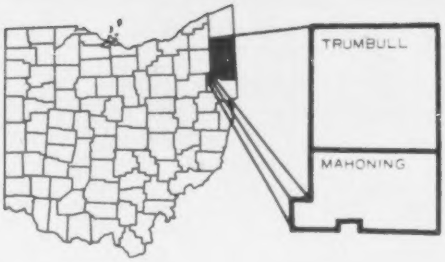
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1987	October 1987	November 1986
Employment Service Program			
New Applicants	1,966	2,779	1,932
Active File of Job Seekers	16,256	16,108	23,411
Referrals to Jobs	1,398	1,882	836
Placements	749	575	399
Job Openings Received	919	1,048	500
Job Openings Unfilled	1,114	1,266	699
Unemployment Insurance Program			
Initial Claims	3,452	3,214	3,822
Continued Claims	18,410	21,229	19,188
First Payments	771	1,217*	1,152
Last Payments	353	351	412
Weeks Compensated	13,178	16,392	15,687
Benefits Paid	$1,875,707	$2,367,855	$2,231,457
Average Weekly Payment	$146.35	$148.05	$146.10

*Revised.

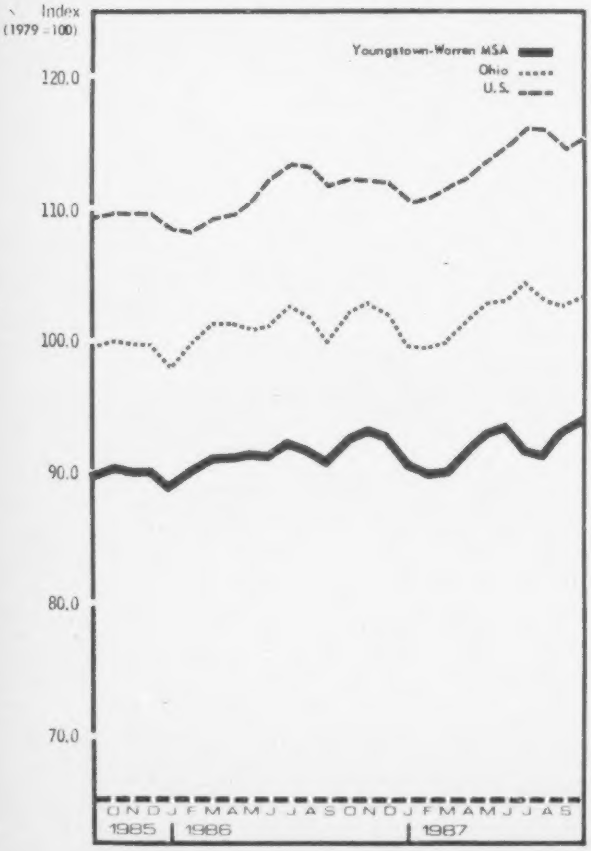
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



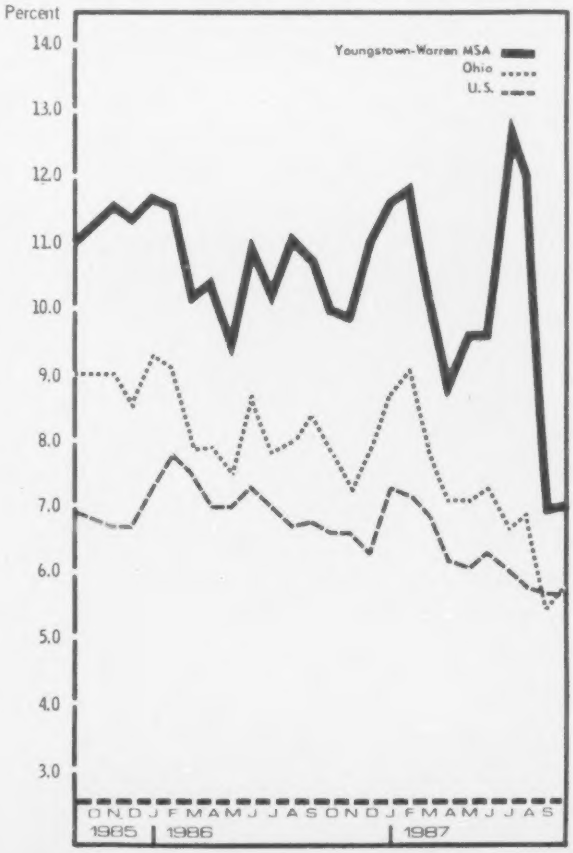
Over the past month, nonagricultural wage and salary employment in the Youngstown-Warren metropolitan area remained unchanged at 195,800. Nonmanufacturing employment, at 144,200, showed a slight increase of 100 jobs as gains in state and local government education and retail trade offset losses in construction and services. Manufacturing employment remained constant at 51,600. Production workers earned an average of $13.39 an hour, up $.15, and worked an average of 42.7 hours per week, down slightly from October.

Nonagricultural wage and salary employment rose 3,900 since November 1986 due to growth in nonmanufacturing industries. Significant increases in construction, services, and retail trade contributed most, although all sectors showed improvement. Manufacturing employment declined 500 over the year, with losses in nonelectrical machinery overshadowing gains in primary metal industries.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

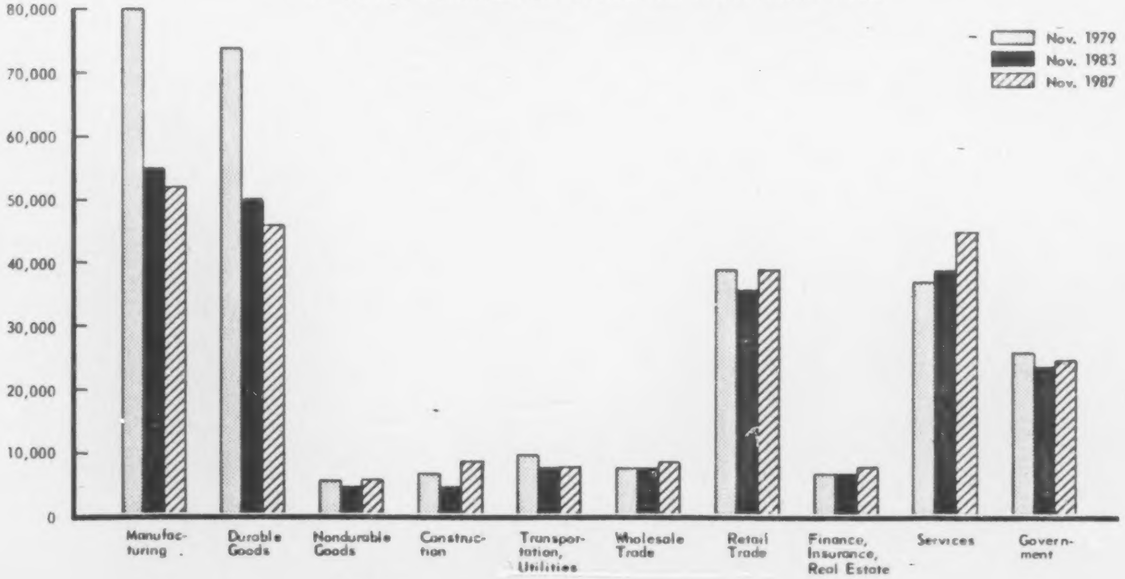


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.5	198.1	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
221.0	201.7	19.3	8.7	April	191.3	51.6	38.9	571.94	43.1	13.27
225.5	204.0	21.6	9.6	May	193.3	50.9	38.2	565.78	42.7	13.25
227.2	205.5	21.8	9.6	June	194.8	51.1	38.3	566.67	42.8	13.24
231.2	201.4	29.8	12.9	July	187.2	45.5	32.8	541.80	42.0	12.90
228.0	200.7	27.3	12.0	August	189.3	47.7	35.1	548.98	42.1	13.04
219.3	204.3	15.0	6.9	September	195.6	52.3	39.4	581.52	43.3	13.43
221.5	206.0	15.6	7.0	October	195.8	51.7	39.0	566.67	42.8	13.24
INA	INA	INA	INA	November	195.8	51.6	39.0	571.75	42.7	13.39

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1987[b]	October 1987[c]	November 1986[c]	From Last Month	From Last Year
TOTAL	195.8	195.8	191.9	.0	3.9
MANUFACTURING	51.6	51.7	52.2	.0	- .5
Durable Goods[e]	46.0	46.1	46.6	.0	- .6
Primary metal industries	20.3	20.4	19.8	- .1	.5
Blast furnace and basic steel products	6.8	6.8	6.4	.0	.4
Fabricated metal products	7.8	7.8	7.8	.0	.1
Machinery, except electrical	2.9	2.9	3.6	.0	- .7
Electric and electronic equipment	2.2	2.3	2.4	- .1	- .2
Transportation equipment	9.6	9.6	9.9	.0	- .2
Nondurable Goods[f]	5.6	5.6	5.6	.0	.0
NONMANUFACTURING[g]	144.2	144.2	139.7	.1	4.5
CONSTRUCTION	8.8	9.4	7.4	- .6	1.4
TRANSPORTATION AND PUBLIC UTILITIES	8.2	8.2	8.1	.0	.1
Communication, electric, gas services	3.1	3.1	3.2	.0	.0
WHOLESALE TRADE	9.4	9.4	9.0	.0	.4
Wholesale trade-durable goods	5.9	6.0	5.8	- .1	.1
RETAIL TRADE	39.2	39.0	38.4	.3	.9
General merchandise stores	5.9	5.7	6.2	.2	- .3
FINANCE, INSURANCE, AND REAL ESTATE	8.4	8.4	8.1	.0	.2
Banking	2.8	2.8	2.7	.0	.1
SERVICES	44.6	45.1	43.3	- .5	1.3
Health services	20.1	20.2	19.3	- .1	.8
Hospitals	10.4	10.5	10.3	.0	.2
GOVERNMENT	25.0	24.0	24.8	.9	.2
State government	4.3	3.9	4.2	.4	.1
State government education[i]	2.9	2.4	2.8	.4	.1
State government, except education	1.4	1.5	1.4	- .1	.0
Local government	18.6	18.1	18.5	.5	.1
Local government education	12.3	11.7	12.0	.6	.3
Local government, except education	6.3	6.4	6.5	- .1	- .2

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]	Nov. 1987[b]	Oct. 1987[c]	Nov. 1986[c]
MANUFACTURING	$571.75	$566.67	$558.11	42.7	42.8	41.9	$13.39	$13.24	$13.32
Durable Goods[e]	586.36	579.08	577.72	42.8	42.8	42.2	13.70	13.53	13.69
Primary metal industries	632.10	623.07	600.70	43.0	43.0	41.6	14.70	14.49	14.44
Blast furnace and basic steel products	623.34	626.55	664.01	45.4	45.7	43.8	13.73	13.71	15.16
Fabricated metal products	525.44	529.99	564.98	40.7	40.8	42.1	12.91	12.99	13.42
Machinery, except electrical	474.40	458.43	467.31	42.7	41.3	40.6	11.11	11.10	11.51
Electric and electronic equipment	470.68	450.96	431.20	42.1	40.3	40.0	11.18	11.19	10.78
Transportation equipment	644.89	645.07	659.90	43.9	45.3	44.8	14.69	14.24	14.73
Nondurable Goods[f]	431.57	431.15	367.44	41.9	41.9	38.8	10.30	10.29	9.47
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	540.48	547.68	541.49	39.8	40.3	40.5	13.58	13.59	13.37
WHOLESALE TRADE	349.20	341.03	336.52	38.5	37.6	37.6	9.07	9.07	8.95
RETAIL TRADE[h]	171.97	175.51	166.99	29.0	29.3	29.4	5.93	5.99	5.68

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1987	October 1987	November 1986
Employment Service Program			
New Applicants	2,037	2,193	1,851
Active File of Job Seekers	16,160	17,220	30,211
Referrals to Jobs	2,017	1,809	1,174
Placements	526	597	353
Job Openings Received	630	920	474
Job Openings Unfilled	516	901	483
Unemployment Insurance Program			
Initial Claims	3,387	3,322	6,129
Continued Claims	15,679	15,422	21,451
First Payments	1,007	784	1,286
Last Payments	238	303	271
Weeks Compensated	12,305	13,005	17,652
Benefits Paid	$1,673,863	$1,726,378	$2,479,656
Average Weekly Payment	$140.02	$137.12	$145.74

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	November 1987	October 1987	November 1986
New Applicants	36,556	45,283	37,778
Active File of Job Seekers	265,373	281,582	379,508
Counseling Interviews	1,404	1,544	1,577
Tests Administered	3,997	4,706	3,296
General Aptitude Tests	249	220	211
Proficiency Tests	533	611	432
Specific Aptitude Tests	905	891	346
Referrals to Jobs	23,091	31,324	18,938
Placements	6,278	9,231	5,775
Job Openings Received	9,563	15,342	8,392
Job Openings Unfilled	19,860	22,078	22,542

Selected Unemployment Insurance Activities

	November 1987	October 1987	November 1986
Initial Claims	61,159	47,415	67,691
Continued Claims	338,808	321,042	394,157
First Payments	17,200	16,813	21,704
Last Payments	5,116	5,715	6,575
Average Weekly Claimants	78,953	73,510	96,938
Average Weekly Benefit Recipients	60,905	59,312	77,319
Weeks Compensated	243,621	276,992	307,696
Benefits Paid	$35,738,411	$40,773,926	$45,030,837
Average Weekly Payment	$150.54	$151.00	$150.35
Continued Claims for Survey Week	80,928	75,868	99,523
Insured Unemployment Rate	1.9	1.7	2.3
Net Contributions	$217,564,425	$36,060,355	$78,350,310
Active Employer Accounts	198,160	197,306	193,478

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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Ohio
Labor
Market
Information

Labor Market Review

December 1987

Summary. The seasonally adjusted unemployment rate in Ohio rose slightly from November, to 6.1 percent in December. The nationwide rate of 5.8 percent was little changed. There were 13,000 more jobless workers in December than in November. Total employment declined 15,000, to 4,927,000. Nonagricultural payroll employment in Ohio, at 4,640,000 (seasonally adjusted), was up 12,000 from November, due chiefly to increases in nonmanufacturing industries. (See page 3.)

Factory Employment. Employment in Ohio's manufacturing industries continued to show improvement in 1987, with a total of 1,097,000 in December. Both durable-goods employment, at 737,000, and nondurable-goods employment, at 360,000, were up slightly.

Nonmanufacturing. Nonmanufacturing employment in Ohio advanced 11,000 from November, to 3,544,000 in December. Services, up 5,000, had the largest gain. Construction and retail trade rose 2,000 each, while wholesale trade and finance, insurance, and real estate each increased 1,000. Only government, which dropped 1,000, had a loss for the month.

Over the Year. Total employment in Ohio rose 85,000 from December 1986 to December 1987. The number of unemployed declined 93,000, lowering the unemployment rate from 7.9 percent to 6.1 percent. In the U.S., the unemployment rate dropped from 6.7 percent to 5.8 percent over the year. Ohio nonfarm wage and salary employment was up 108,000 from December 1986. Employment in services increased 51,000, while retail trade gained 25,000 workers. Construction, government, and finance, insurance, and real estate also had notable advances. Mining, down 2,000, was the only nonmanufacturing division to lose employment. Manufacturing employment fell 9,000 over the year, as losses in durable goods were partially offset by gains in nondurable goods.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio grossed an average of $517.22 per week in December, up $5.73 from November. Their average workweek increased .3 hours, to 43.3 hours. Most industries had higher earnings due to more overtime. The most significant were fabricated metal products, especially metal forgings and stampings, transportation equipment, chemicals, food and kindred products, and printing and publishing.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law, at 88,767 in December, were up 45.1 percent from November, but down 18.6 percent from December 1986. Total benefits paid increased 48.5 percent from November, to $53.1 million. The average weekly benefit check of $151.41 was $5.87 higher than in November. There was a 23.7 percent increase in the number of benefit recipients. At the end of December there were 197,855 active employer accounts.

Ohio Bureau of Employment Services
Richard F Celeste, Governor Dr. Roberta Steinbacher, Administrator

Employment Service. The Ohio Bureau of Employment Services assisted 36,467 new job applicants in December, down .2 percent from November, and down 12.6 percent from December 1986. There were 8,930 job openings from employers, down 6.6 percent from November. The Employment Services Division made 18,817 job referrals and 5,980 placements.

JOB TRAINING PARTNERSHIP AND YOUR BUSINESS

JTP-Ohio is a state job training program under the Job Training Partnership Act (JTPA). The federal law, JTPA, provides states with funds to help youths and adults who are unemployed, dislocated, or have other barriers to employment, train for jobs and become employed.

There are three basic program classifications under JTPA.
- Training and retraining for economically disadvantaged youths and adults are created under Title II-A.
- Summer employment programs for youths are authorized under Title II-B.
- Programs to serve dislocated workers whose jobs are lost through plant closings, permanent layoffs, or other causes beyond their control, are authorized under Title III.

For further information about JTP-Ohio, contact your local Ohio Bureau of Employment Services office, JTPA office, Private Industry Council or the state JTP-Ohio office at (614) 466-3817.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Dec. 1987	Nov. 1987	Dec. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,249	5,251	5,276	-2	-27	-0.0	-0.5
Employment	4,927	4,942	4,861	-15	66	-0.3	1.4
Unemployment	322	309	415	13	-93	4.2	-22.4
Unemployment Rate	6.1	5.9	7.9				
Employer Survey Data[e]							
Total	4,640	4,628	4,532	12	108	0.3	2.4
Manufacturing	1,097	1,095	1,106	2	-9	0.1	-0.8
Durable Goods	737	736	750	1	-12	0.2	-1.6
Nondurable Goods	360	359	356	0	3	0.1	0.9
Nonmanufacturing	3,544	3,533	3,426	11	117	0.3	3.4
Mining	20	20	22	0	-2	0.5	-7.4
Construction	182	179	165	2	17	1.3	10.3
Transportation and Public Utilities	211	211	210	0	1	0.0	0.5
Wholesale Trade	253	252	249	1	5	0.3	1.8
Retail Trade	861	859	836	2	25	0.2	3.0
Finance, Insurance, and Real Estate	247	246	237	1	10	0.3	4.1
Services	1,077	1,071	1,026	5	51	0.5	5.0
Government	693	694	682	-1	11	-0.1	1.6
Goods Producing Industries[f]	1,299	1,295	1,292	4	6	0.3	0.5
Service Producing Industries[g]	3,342	3,334	3,240	8	102	0.2	3.1

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	U.S.			Manufacturing	Durable	Nondurable
					1985				
5,185	4,754	431	8.3	7.0	December	4,422	1,123	766	357
					1986				
5,218	4,759	459	8.8	6.8	January	4,438	1,124	767	357
5,325	4,869	456	8.6	7.2	February	4,440	1,122	764	357
5,297	4,896	401	7.6	7.2	March	4,440	1,117	760	356
5,248	4,823	425	8.1	7.1	April	4,459	1,117	761	356
5,214	4,784	430	8.2	7.2	May	4,464	1,112	756	356
5,204	4,752	452	8.7	7.1	June	4,466	1,111	755	356
5,204	4,777	427	8.2	7.0	July	4,472	1,103	749	354
5,185	4,763	422	8.1	6.8	August	4,484	1,103	748	355
5,163	4,734	429	8.3	7.0	September	4,488	1,100	744	355
5,214	4,810	404	7.7	6.9	October	4,497	1,094	739	355
5,264	4,875	389	7.4	6.9	November	4,518	1,103	747	356
5,276	4,861	415	7.9	6.7	December	4,532	1,106	750	356
					1987				
5,287	4,850	437	8.3	6.7	January	4,556	1,106	748	358
5,303	4,848	455	8.6	6.7	February	4,564	1,108	750	358
5,215	4,824	391	7.5	6.6	March	4,563	1,099	741	357
5,223	4,846	377	7.2	6.3	April	4,570	1,098	741	357
5,294	4,878	416	7.9	6.3	May	4,572	1,091	735	356
5,237	4,859	378	7.2	6.1	June	4,567	1,084	731	354
5,240	4,868	372	7.1	6.0	July	4,569	1,076	722	354
5,205	4,841	364	7.0	6.0	August	4,587	1,088	731	357
5,148	4,865	283	5.5	5.9	September	4,598	1,093	736	357
5,176	4,876	300	5.8	6.0	October	4,610	1,091	733	358
5,251	4,942	309	5.9	5.9	November	4,628	1,095	736	359
5,249	4,927	322	6.1	5.8	December	4,640	1,097	737	360

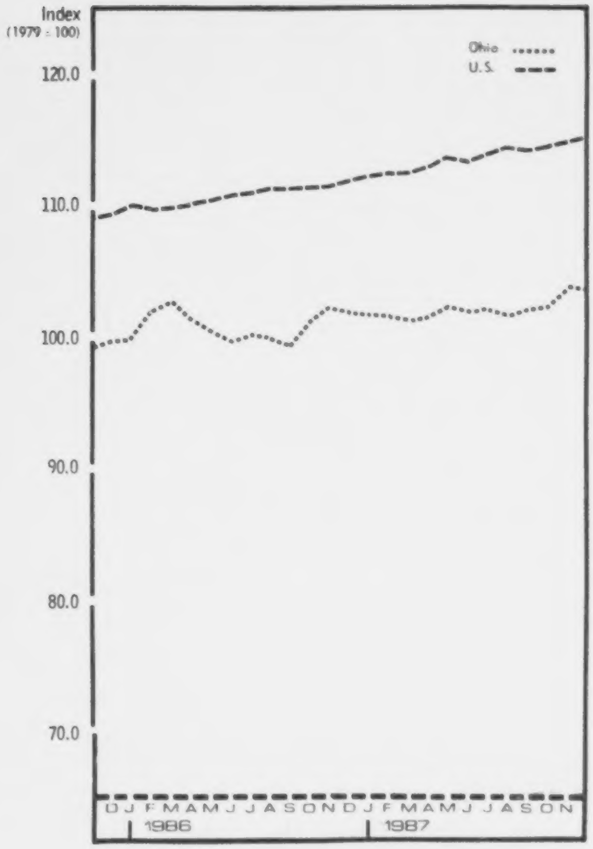
Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

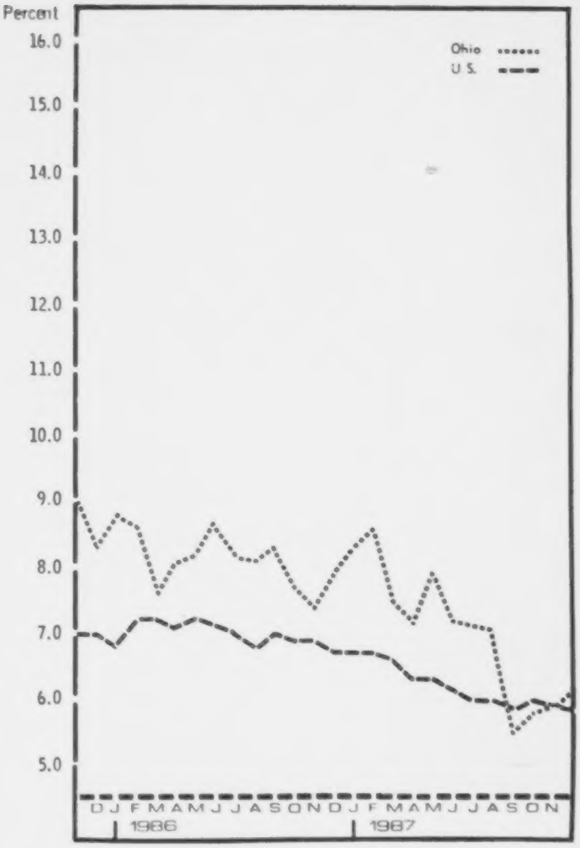
Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1985				
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,415	22	164	210	248	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,465	21	170	210	249	March	845	240	1040	688
3,472	21	171	211	249	April	846	242	1045	688
3,481	21	173	211	250	May	847	242	1050	689
3,483	20	174	210	249	June	847	242	1052	689
3,493	20	174	210	250	July	850	243	1060	686
3,500	20	175	210	250	August	853	244	1062	686
3,505	20	175	210	251	September	856	244	1063	685
3,519	20	177	211	253	October	857	245	1067	690
3,533	20	179	211	252	November	859	246	1071	694
3,544	20	182	211	253	December	861	247	1077	693

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.

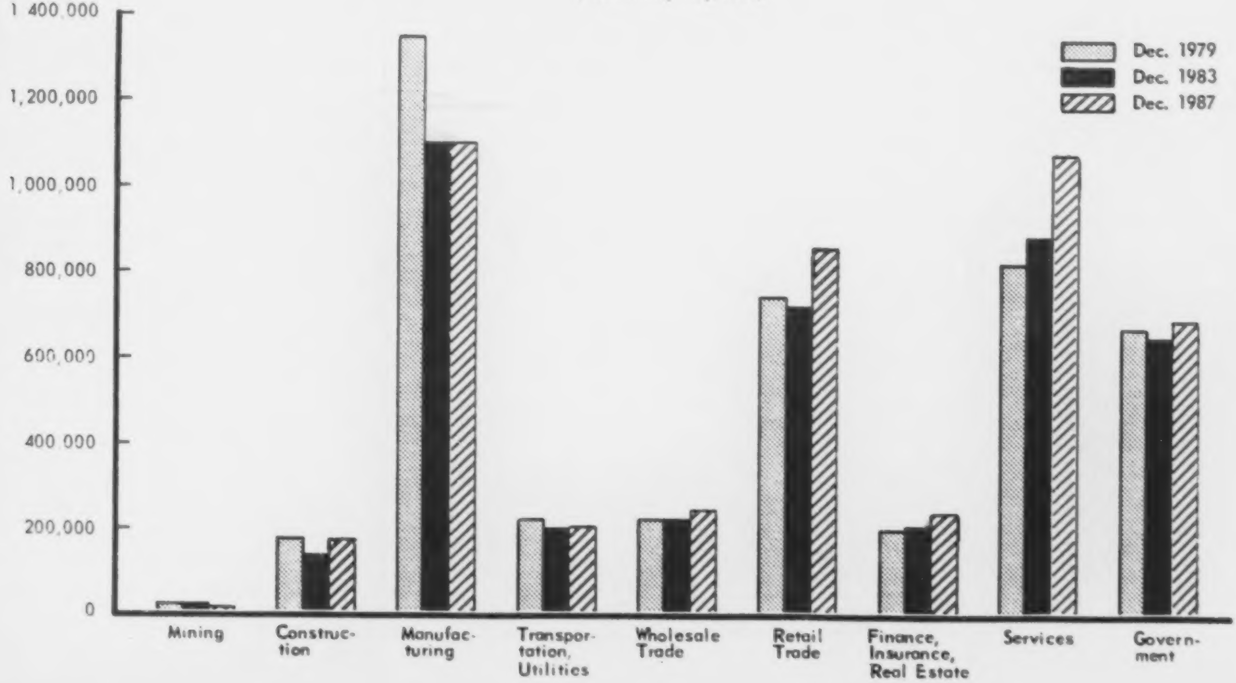
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
4,751	4,380	370	7.8	7.7	1976	4,094.6	1,295.3	910.6	384.6
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,139	4,684	456	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.5
5,234	4,809	426	8.1	7.0	1986	4,475.2	1,109.3	753.2	356.1
					1986				
5,259	4,841	418	7.9	6.3	December	4,569.4	1,106.3	749.6	356.7
					1987				
5,196	4,744	452	8.7	7.3	January	4,466.2	1,095.7	741.2	354.6
5,205	4,732	473	9.1	7.2	February	4,467.2	1,096.0	742.4	353.6
5,154	4,749	405	7.9	6.9	March	4,492.3	1,092.1	738.4	353.6
5,205	4,837	367	7.1	6.2	April	4,556.9	1,094.4	740.1	354.3
5,264	4,892	372	7.1	6.1	May	4,600.3	1,091.0	736.4	354.5
5,293	4,909	384	7.3	6.3	June	4,614.8	1,091.8	736.4	355.4
5,325	4,967	358	6.7	6.1	July	4,576.6	1,078.8	723.4	355.3
5,272	4,908	364	6.9	5.8	August	4,595.4	1,092.0	731.6	360.4
5,171	4,885	287	5.5	5.7	September	4,644.3	1,102.8	740.1	362.8
5,221	4,920	301	5.8	5.7	October	4,660.9	1,094.3	734.5	359.9
5,263	4,959	303	5.8	5.6	November	4,675.8	1,098.2	738.2	360.0
5,235	4,915	321	6.1	5.4	December	4,678.4	1,097.2	737.3	360.0

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.8	998.8	679.8
					1986				
3,463.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	236.6	1,006.1	688.8
3,371.2	20.7	139.6	205.8	246.1	February	810.4	237.4	1,014.1	697.2
3,400.3	20.5	145.6	206.6	246.9	March	817.0	238.3	1,023.5	701.9
3,462.5	20.3	160.7	209.4	248.5	April	835.5	240.4	1,047.5	700.1
3,509.3	20.4	173.8	210.8	249.8	May	848.4	242.0	1,059.5	704.6
3,523.0	20.4	182.5	211.9	251.4	June	854.6	244.3	1,069.9	688.0
3,497.9	20.6	190.8	212.1	251.6	July	855.9	246.3	1,072.8	647.8
3,503.4	20.6	194.8	212.5	252.0	August	861.2	246.8	1,073.2	642.2
3,541.4	20.9	194.4	212.8	252.2	September	864.2	245.7	1,078.2	673.2
3,566.5	20.2	196.5	213.4	253.3	October	865.2	245.3	1,073.4	699.2
3,577.6	20.3	190.7	212.9	253.1	November	876.7	245.7	1,070.4	707.8
3,581.2	20.1	180.2	212.8	253.6	December	890.6	246.6	1,068.0	709.3

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Production Workers in Manufacturing

Manufacturing	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,295.3	910.6	384.6	1976	926.1	233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.3	753.2	356.1	1986	758.0	368.9	31.9
			1986			
1,106.3	749.6	356.7	December	755.4	383.8	32.6
			1987			
1,095.7	741.2	354.6	January	746.3	375.1	31.9
1,096.0	742.4	353.6	February	747.3	373.0	31.7
1,092.1	738.4	353.6	March	744.9	371.4	31.7
1,094.4	740.1	354.3	April	748.5	369.0	31.5
1,091.0	736.4	354.5	May	745.2	370.9	31.7
1,091.8	736.4	355.4	June	745.5	371.6	31.8
1,078.8	723.4	355.3	July	731.6	355.0	30.7
1,092.0	731.6	360.4	August	745.4	367.0	31.5
1,102.8	740.1	362.8	September	756.7	378.4	32.2
1,094.3	734.5	359.9	October	749.4	378.1	32.1
1,098.2	738.2	360.0	November	754.2	385.8	32.6
1,097.2	737.3	360.0	December	753.5	389.7	32.8

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$252.54	$258.75	$235.00	1976
283.08	292.02	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
			1986
508.15	531.14	454.92	December
			1987
502.58	524.96	449.53	January
499.05	520.88	446.71	February
498.53	519.95	448.86	March
492.99	514.25	443.72	April
497.68	517.45	450.78	May
498.42	517.37	453.95	June
485.20	501.76	450.02	July
492.37	510.00	453.36	August
500.12	516.67	461.92	September
504.50	524.02	461.07	October
511.49	531.57	466.90	November
517.22	536.55	472.51	December

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
41.2	41.4	41.3	1976
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
			1986
43.1	43.5	42.2	December
			1987
42.7	43.1	41.7	January
42.4	42.8	41.4	February
42.5	42.9	41.6	March
42.1	42.5	41.2	April
42.5	42.8	41.7	May
42.6	42.9	41.8	June
41.9	42.2	41.4	July
42.3	42.5	41.9	August
42.6	42.7	42.3	September
42.9	43.2	42.3	October
43.2	43.5	42.6	November
43.5	43.8	42.8	December

Production Workers Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1976	$6.10	$6.25	$5.69
1977	6.74	6.92	6.24
1978	7.29	7.49	6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1986			
December	11.79	12.21	10.78
1987			
January	11.77	12.18	10.78
February	11.77	12.17	10.79
March	11.73	12.12	10.79
April	11.71	12.10	10.77
May	11.71	12.09	10.81
June	11.70	12.06	10.86
July	11.58	11.89	10.87
August	11.64	12.00	10.82
September	11.74	12.10	10.92
October	11.76	12.13	10.90
November	11.84	12.22	10.96
December	11.89	12.25	11.04

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio*

Employment

(in thousands)

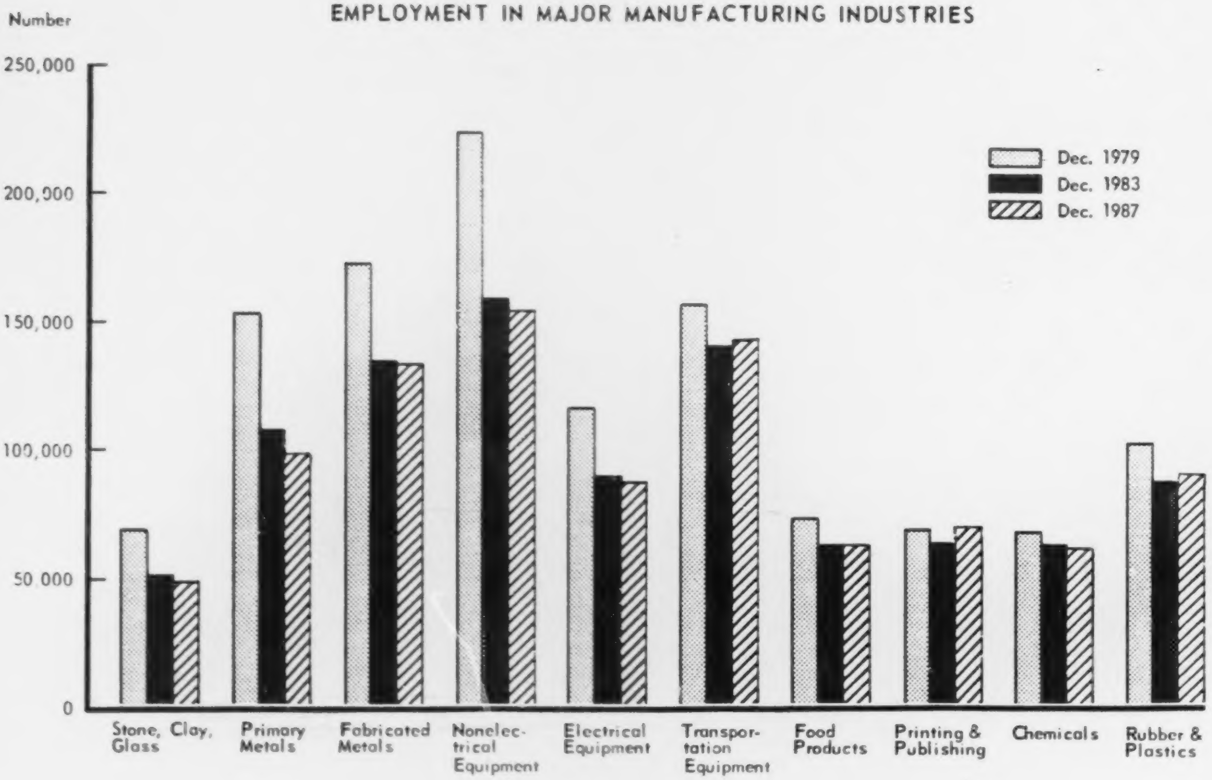
Period	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	82.7
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	90.8
1985	50.4	101.8	139.5	166.2	90.7	151.2	62.9	66.8	91.4
1986	49.4	95.4	136.8	158.7	89.8	153.5	62.6	68.6	91.5
1986									
December	49.0	94.1	136.0	156.1	90.2	154.4	62.7	69.1	91.3
1987									
January	47.8	93.8	134.3	155.0	90.6	151.7	62.0	68.8	91.3
February	47.9	95.5	133.5	154.1	89.8	153.6	61.5	69.1	90.8
March	47.7	96.7	133.3	153.8	89.0	148.9	61.5	69.1	90.4
April	48.0	96.7	132.5	153.5	88.0	151.6	62.2	69.3	89.8
May	48.2	95.5	131.8	153.2	87.3	150.3	62.7	69.3	88.9
June	48.4	95.9	133.2	153.6	87.5	147.1	62.7	69.3	88.8
July	47.8	94.4	130.4	151.7	87.6	140.7	63.2	69.8	88.0
August	48.3	96.2	131.6	152.2	87.0	144.2	66.9	70.1	88.8
September	48.3	98.2	133.3	153.5	88.1	146.1	67.5	70.0	89.8
October	48.0	98.5	132.9	152.3	87.1	143.0	63.7	70.4	90.5
November	48.0	99.2	133.8	152.8	87.9	144.0	62.8	70.9	91.0
December	47.9	99.1	133.6	153.6	88.1	143.3	63.3	70.7	90.8

Average Weekly Earnings of Production Workers

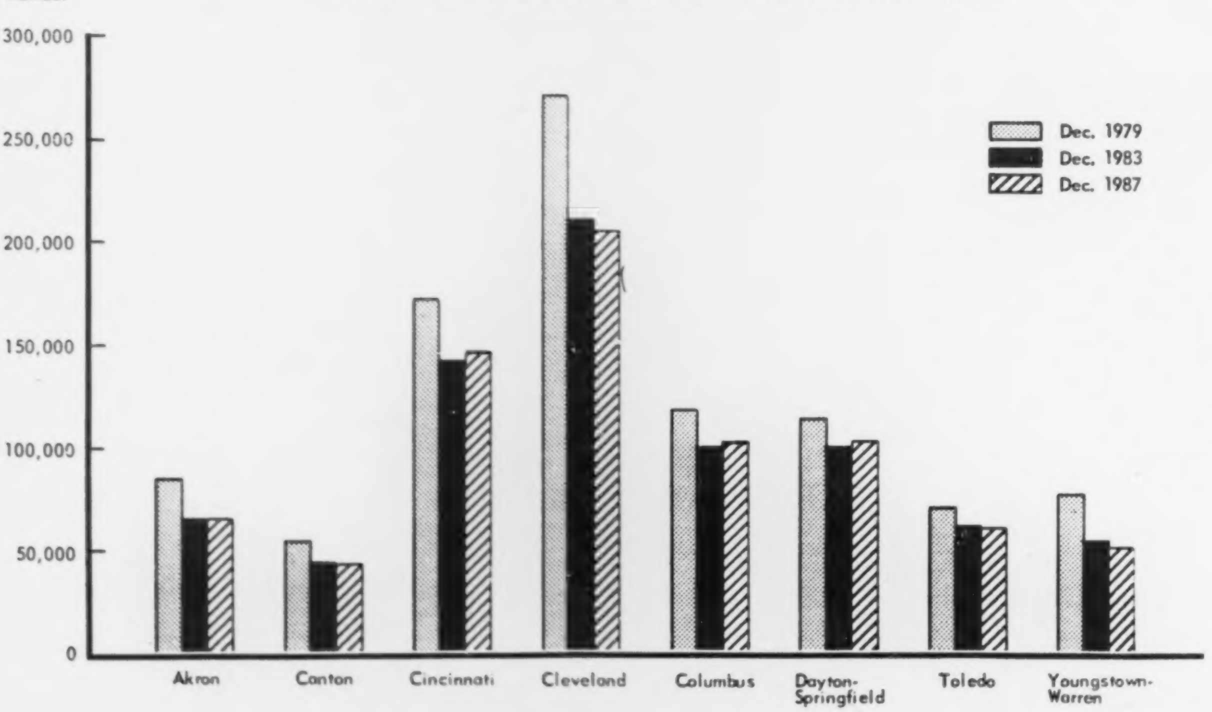
Period	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	$232.40	$294.58	$256.68	$253.31	$221.54	$302.87	$242.92	$252.20	$237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.30	419.99
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1986	443.81	559.93	494.91	485.18	459.80	632.06	416.83	410.70	438.96
1986									
December	441.00	596.23	515.70	510.82	489.89	656.48	436.77	429.46	444.19
1987									
January	441.31	593.61	515.91	498.53	473.61	647.91	438.46	416.96	443.59
February	440.67	590.46	510.27	499.80	457.47	646.46	435.77	420.53	433.82
March	449.35	587.80	506.75	506.32	463.29	640.46	436.60	415.56	438.35
April	447.68	595.35	491.82	495.33	461.61	630.08	430.56	414.02	431.38
May	457.52	594.49	495.33	497.14	463.14	634.04	440.11	418.88	435.27
June	453.46	599.86	501.50	505.36	457.32	628.65	445.79	422.28	441.58
July	446.42	597.64	473.20	494.89	449.21	604.07	434.92	420.81	436.60
August	440.96	603.90	484.26	489.41	458.43	628.00	435.11	432.06	443.65
September	460.31	630.20	484.88	489.41	452.08	634.36	453.64	444.24	437.38
October	451.76	601.12	503.43	510.85	466.07	652.50	432.22	442.18	453.44
November	457.53	614.66	511.06	521.70	475.58	653.43	444.15	446.00	454.31
December	451.98	612.86	524.79	523.03	479.36	662.76	454.94	454.90	455.52

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1987[b]	November 1987[c]	December 1986[c]	From Last Month	From Last Year
TOTAL	4678.4	4675.8	4569.4	2.6	109.1
MANUFACTURING	1097.2	1098.2	1106.3	- 1.0	- 9.0
Durable Goods[e]	737.3	738.2	749.6	- .9	- 12.4
Lumber and wood products	20.1	20.8	18.4	- .7	1.6
Furniture and fixtures	14.8	14.7	14.5	.1	.3
Stone, clay, and glass products	47.9	48.0	49.0	- .2	- 1.2
Glass and glassware, pressed or blown	10.0	10.1	11.0	- .1	- 1.1
Primary metal industries	99.1	99.2	94.1	- .1	5.0
Blast furnace and basic steel products	46.2	45.8	42.1	.3	4.1
Iron and steel foundries	20.6	20.3	19.4	.4	1.2
Nonferrous rolling and drawing	17.3	17.7	17.8	- .4	- .5
Fabricated metal products	133.6	133.8	136.0	- .2	- 2.4
Cutlery, hand tools, and hardware	10.2	10.2	10.3	.0	- .1
Fabricated structural metal products	28.3	28.3	29.2	.0	- .9
Metal forgings and stampings	41.7	41.8	43.4	- .2	- 1.7
Machinery,except electrical	153.6	152.8	156.1	.8	- 2.5
Construction and related machinery	12.0	12.0	12.3	.1	- .3
Metal working machinery	38.6	38.5	40.3	.2	- 1.6
Special industry machinery	16.7	16.8	16.9	.0	- .1
General industrial machinery	26.7	26.3	27.6	.4	- .9
Office and computing machines	13.7	13.8	13.4	- .1	.3
Refrigeration and service machinery	16.5	16.3	16.7	.1	- .2
Electric and electronic equipment	88.1	87.9	90.2	.2	- 2.1
Electrical industrial apparatus	17.0	16.9	16.8	.1	.2
Household appliances	16.6	16.5	17.2	.1	- .6
Electric lighting and wiring equipment	17.4	17.3	18.0	.1	- .6
Communication equipment	9.9	9.9	10.6	.0	- .7
Transportation equipment	143.3	144.0	154.4	- .7	- 11.0
Motor vehicles and equipment	94.0	94.2	98.6	- .1	- 4.5
Aircraft and parts	39.9	40.4	46.5	- .5	- 6.5
Instruments and related products	22.7	22.7	23.0	.0	- .3
Measuring and controlling devices	12.3	12.3	12.2	.0	.1
Nondurable Goods[f]	360.0	360.0	356.7	.0	3.3
Food and kindred products	63.3	62.8	62.7	.5	.6
Meat products	9.9	9.9	9.6	.0	.3
Dairy products	10.6	10.4	10.1	.1	.4
Preserved fruits and vegetables	10.7	10.3	10.6	.3	.0
Bakery products	9.0	8.9	8.8	.1	.2
Beverages	9.8	9.7	10.0	.1	- .2
Apparel and other textile products	16.0	16.4	16.4	- .4	- .4
Paper and allied products	38.4	38.1	37.6	.3	.8
Misc. converted paper products	12.3	12.1	11.9	.1	.3
Paperboard containers and boxes	13.5	13.5	12.8	.0	.7
Printing and publishing	70.7	70.9	69.1	- .2	1.6
Newspapers	19.7	19.6	19.6	.1	.0
Commercial printing	26.7	26.9	26.2	- .2	.5
Chemicals and allied products	64.2	64.2	63.3	.0	1.0
Industrial inorganic chemicals	10.3	10.3	10.2	.1	.2
Rubber and misc. plastics products	90.8	91.0	91.3	- .2	- .4
Tires and inner tubes	16.1	16.1	18.0	.0	- 1.8
Miscellaneous plastics products	54.9	55.0	53.5	- .1	1.4

See footnotes on page 13.

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1987[b]	November 1987[c]	December 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3581.2	3577.6	3463.1	3.6	118.1
MINING	20.1	20.3	21.8	- .2	- 1.6
Bituminous coal and lignite mining	8.7	8.7	9.8	- .1	- 1.1
Oil and gas extraction	6.6	6.5	7.4	.1	- .8
CONSTRUCTION	180.2	190.7	163.1	- 10.5	17.0
General building contractors	46.9	48.3	42.9	- 1.5	4.0
Heavy construction contractors	20.4	24.4	18.8	- 4.0	1.6
Highway and street construction	9.2	12.0	8.1	- 2.8	1.1
Special trade contractors	112.8	117.9	101.4	- 5.1	11.5
TRANSPORTATION AND PUBLIC UTILITIES	212.8	212.9	211.5	- .2	1.3
Railroad transportation	13.7	14.2	14.9	- .5	- 1.2
Transportation, except railroads	105.3	105.0	102.6	.3	2.8
Trucking and warehousing	73.6	73.0	72.0	.7	1.7
Communication, electric, gas services	93.7	93.8	94.0	- .1	- .3
Communication	52.9	52.9	52.3	.0	.6
Electric, gas, and sanitary services	40.8	40.9	41.7	.0	- .9
WHOLESALE TRADE	253.6	253.1	249.1	.5	4.5
Wholesale trade-durable goods	160.1	160.0	157.6	.1	2.5
Motor vehicles & automotive equipment	22.5	22.4	22.2	.1	.2
Electrical goods	21.2	21.1	21.2	.1	.0
Machinery, equipment, and supplies	68.7	68.8	67.8	- .1	.9
Wholesale trade-nondurable goods	93.5	93.1	91.5	.4	2.0
Groceries and related products	30.2	30.1	29.2	.1	1.1
RETAIL TRADE	890.6	876.7	865.1	14.0	25.5
General merchandise stores	129.8	123.5	131.3	6.3	- 1.5
Department stores	114.9	109.1	117.7	5.8	- 2.9
Food stores	135.6	133.9	133.4	1.7	2.2
Automotive dealers & service stations	96.0	96.3	92.3	- .3	3.6
Apparel and accessory stores	45.5	42.9	42.8	2.6	2.6
Eating and drinking places	303.2	303.0	293.3	.2	9.9
FINANCE, INSURANCE, AND REAL ESTATE	246.6	245.7	237.1	.8	9.4
Banking	63.2	63.0	62.2	.2	1.0
Credit agencies other than banks	39.1	38.9	37.8	.2	1.3
Insurance carriers	66.3	66.1	64.1	.2	2.2
Life insurance	24.1	24.0	23.8	.1	.3
Fire, marine, and casualty insurance	29.7	29.7	28.7	.0	1.0
SERVICES	1068.0	1070.4	1017.4	- 2.4	50.6
Hotels and other lodging places	33.6	33.8	32.9	- .2	.7
Personal services	58.5	57.9	55.4	.5	3.0
Laundry, cleaning, & garment services	19.2	19.3	18.5	.0	.7
Business services	221.6	221.1	201.2	.6	20.4
Services to buildings	30.5	30.5	28.2	.1	2.3
Computer and data processing services	20.7	20.5	18.7	.2	2.1
Amusement and recreation services	33.9	35.8	33.1	- 1.8	.8
Health services	366.1	365.1	352.0	.9	14.1
Nursing and personal care facilities	80.8	80.7	77.5	.1	3.3
Hospitals	178.5	178.4	173.4	.1	5.1
Educational services	60.6	62.2	61.2	- 1.7	- .7
Colleges and universities	31.9	33.6	33.3	- 1.7	- 1.4
GOVERNMENT	709.3	707.8	698.0	1.5	11.3
Federal government	95.8	94.9	94.0	.8	1.8
State government	160.9	159.7	156.5	1.2	4.4
State government education[1]	86.9	86.4	84.6	.5	2.3
State government, except education	74.0	73.3	71.9	.7	2.1
Local government	452.7	453.1	447.5	- .5	5.2
Local government education	267.1	267.0	263.7	.1	3.4
Local government, except education	185.6	186.2	183.8	- .6	1.8

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]
MANUFACTURING	$517.22	$511.49	$508.15	43.5	43.2	43.1	$11.89	$11.84	$11.79
Durable Goods[e]	536.55	531.57	531.14	43.8	43.5	43.5	12.25	12.22	12.21
Lumber and wood products	302.95	302.17	292.09	41.5	41.0	40.4	7.30	7.37	7.23
Furniture and fixtures	368.11	359.51	359.11	41.5	40.9	42.1	8.87	8.79	8.53
Stone, clay, and glass products	451.98	457.53	441.00	42.4	42.8	41.1	10.66	10.69	10.73
Glass and glassware, pressed or blown.	460.12	469.45	466.09	39.7	40.4	40.6	11.59	11.62	11.48
Primary metal industries	612.86	614.66	596.23	44.8	44.8	44.1	13.68	13.72	13.52
Blast furnace and basic steel products	649.06	641.59	621.45	46.0	45.6	44.2	14.11	14.07	14.06
Iron and steel foundries	613.28	634.89	635.64	43.9	44.9	45.5	13.97	14.14	13.97
Nonferrous rolling and drawing	604.24	628.30	562.93	41.5	42.8	41.0	14.56	14.68	13.73
Fabricated metal products	524.79	511.06	515.70	44.1	43.2	43.3	11.90	11.83	11.91
Cutlery, hand tools, and hardware	495.14	496.90	484.00	41.4	41.1	40.3	11.96	12.09	12.01
Fabricated structural metal products	480.45	467.86	454.71	44.2	43.2	43.1	10.87	10.83	10.55
Metal forgings and stampings	646.81	620.65	664.02	45.2	43.8	45.7	14.31	14.17	14.53
Machinery, except electrical	523.03	521.70	510.82	44.4	44.1	43.4	11.78	11.83	11.77
Construction and related machinery	436.75	428.40	427.20	43.2	42.0	41.8	10.11	10.20	10.22
Metalworking machinery	517.33	504.87	490.31	45.3	44.6	43.7	11.42	11.32	11.22
Special industry machinery	520.04	499.49	481.00	44.6	43.7	43.1	11.66	11.43	11.16
General industrial machinery	529.74	546.75	526.25	43.6	44.2	43.1	12.15	12.37	12.21
Office and computing machines	455.91	426.82	431.21	45.5	43.2	44.5	10.02	9.88	9.69
Refrigeration and service machinery	594.15	582.34	614.90	43.4	42.6	43.0	13.69	13.67	14.30
Electric and electronic equipment	479.36	475.58	489.89	42.8	42.5	43.2	11.20	11.19	11.34
Electrical industrial apparatus	500.86	484.63	429.87	44.8	43.7	40.1	11.18	11.09	10.72
Household appliances	488.78	486.74	534.60	40.8	40.8	45.0	11.98	11.93	11.88
Electric lighting and wiring equipment	488.16	478.82	532.07	43.2	42.6	43.9	11.30	11.24	12.12
Communication equipment	492.66	488.87	488.38	42.0	41.5	41.6	11.73	11.78	11.74
Transportation equipment	662.76	653.43	656.48	44.6	44.3	45.4	14.86	14.75	14.46
Motor vehicles and equipment	678.63	674.18	674.97	44.5	44.5	45.3	15.25	15.15	14.90
Aircraft and parts	643.10	621.45	623.76	46.2	45.0	46.0	13.92	13.81	13.56
Instruments and related products	369.66	369.36	392.46	40.4	40.5	42.2	9.15	9.12	9.30
Measuring and controlling devices	352.74	352.94	369.33	38.3	38.7	39.5	9.21	9.12	9.35
Nondurable Goods[f]	472.51	466.90	454.92	42.8	42.6	42.2	11.04	10.96	10.78
Food and kindred products	454.94	444.15	436.77	43.0	42.3	42.2	10.58	10.50	10.35
Meat products	390.83	397.03	374.22	41.8	42.6	40.5	9.35	9.32	9.24
Dairy products	474.34	464.10	469.37	43.2	42.5	43.5	10.98	10.92	10.79
Preserved fruits and vegetables	478.73	452.52	422.06	43.6	41.9	41.5	10.98	10.80	10.17
Bakery products	468.33	472.28	462.56	40.2	40.4	39.4	11.65	11.69	11.74
Beverages	426.83	413.03	420.16	41.2	40.1	42.1	10.36	10.30	9.98
Apparel and other textile products	309.46	299.60	272.19	40.4	40.0	37.7	7.66	7.49	7.22
Paper and allied products	494.60	492.62	503.10	44.2	44.3	44.8	11.19	11.12	11.23
Misc. converted paper products	446.32	441.23	468.00	43.8	43.6	45.0	10.19	10.12	10.40
Paperboard containers and boxes	427.85	428.67	434.30	42.7	43.3	43.0	10.02	9.90	10.10
Printing and publishing	454.90	446.00	429.46	40.4	40.0	39.4	11.26	11.15	10.90
Newspapers	370.25	390.20	376.88	34.7	35.7	36.1	10.67	10.93	10.44
Commercial printing	459.14	441.79	414.47	42.2	41.6	39.7	10.88	10.62	10.44
Chemicals and allied products	581.17	562.89	534.06	44.5	43.5	43.0	13.06	12.94	12.42
Industrial inorganic chemicals	632.50	627.88	559.99	46.0	45.4	42.2	13.75	13.83	13.27
Rubber and misc. plastics products	455.52	454.31	444.19	43.3	43.6	43.0	10.52	10.42	10.33
Tires and inner tubes	651.32	657.95	611.88	45.9	46.4	44.5	14.19	14.18	13.75
Miscellaneous plastics products	437.84	436.46	434.02	42.8	43.3	43.1	10.23	10.08	10.07

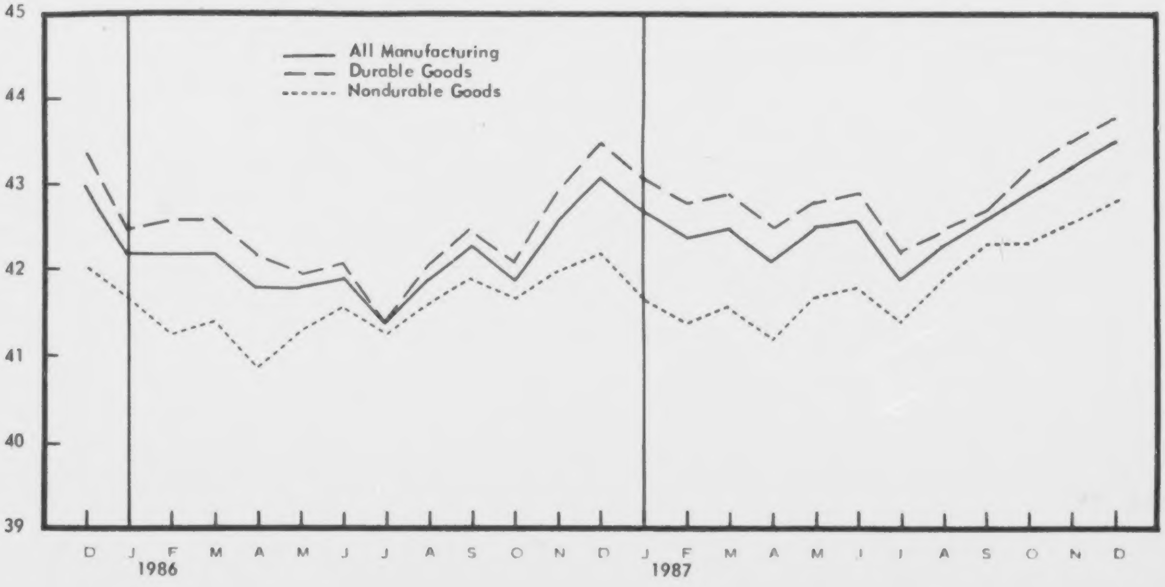
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

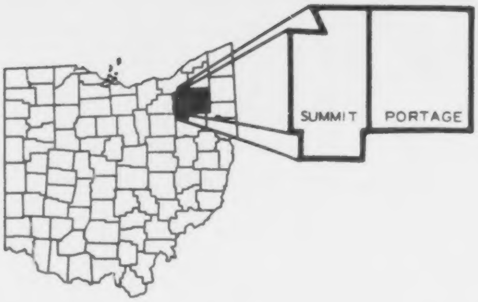
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]
MINING	$536.74	$543.37	$551.89	42.7	43.4	44.4	$12.57	$12.52	$12.43
Bituminous coal and lignite mining	667.40	655.78	648.06	42.7	42.5	42.0	15.63	15.43	15.43
CONSTRUCTION	574.37	589.25	557.78	38.6	39.6	38.1	14.88	14.88	14.64
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	558.81	558.81	553.73	40.7	40.7	41.2	13.73	13.73	13.44
Communication	540.95	541.35	549.92	40.1	40.1	41.1	13.49	13.50	13.38
Electric, gas, and sanitary services	583.08	582.25	559.73	41.5	41.5	41.4	14.05	14.03	13.52
WHOLESALE TRADE	385.88	386.50	374.22	39.7	39.6	39.6	9.72	9.76	9.45
Wholesale trade-durable goods	377.70	378.97	368.28	39.8	39.6	39.6	9.49	9.57	9.30
Wholesale trade-nondurable goods	399.74	399.17	383.72	39.5	39.6	39.6	10.12	10.08	9.69
RETAIL TRADE[h]	167.03	161.03	162.09	29.1	28.3	29.1	5.74	5.69	5.57
General merchandise stores	179.63	171.08	181.62	29.4	28.0	31.1	6.11	6.11	5.84
Department stores	184.08	174.72	186.91	29.5	28.0	31.1	6.24	6.24	6.01
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	260.39	258.76	253.44	....	....	....	.....	.....	.....
Credit agencies other than banks	257.10	255.02	247.74	....	....	....	.....	.....	.....
Insurance carriers	358.57	354.50	343.24	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	331.91	332.23	322.68	32.7	32.7	33.3	10.15	10.16	9.69

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



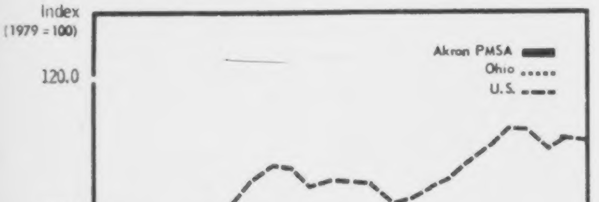
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



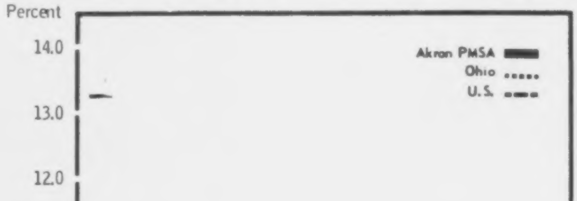
In the Akron metropolitan area, December nonagricultural wage and salary employment totaled 272,500, an improvement of 200 from November. Employment in manufacturing lost 200 jobs due primarily to a decline in fabricated metal products. Nonmanufacturing employment increased 400 over the month. Seasonal decreases in construction were more than offset by seasonal advances in retail trade, especially general merchandise stores, and in local government education. Manufacturing production workers averaged a 44.4 hour workweek, up 1.3 hours from November. Their average hourly earnings increased $.14, to $11.38 in December.

Nonfarm wage and salary employment advanced 6,100 since December 1986 due to growth in nonmanufacturing industries. Significant gains were recorded in services, retail trade, and state and local government education. Manufacturing employment declined 1,800 over the period with notable losses in tires and inner tubes and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



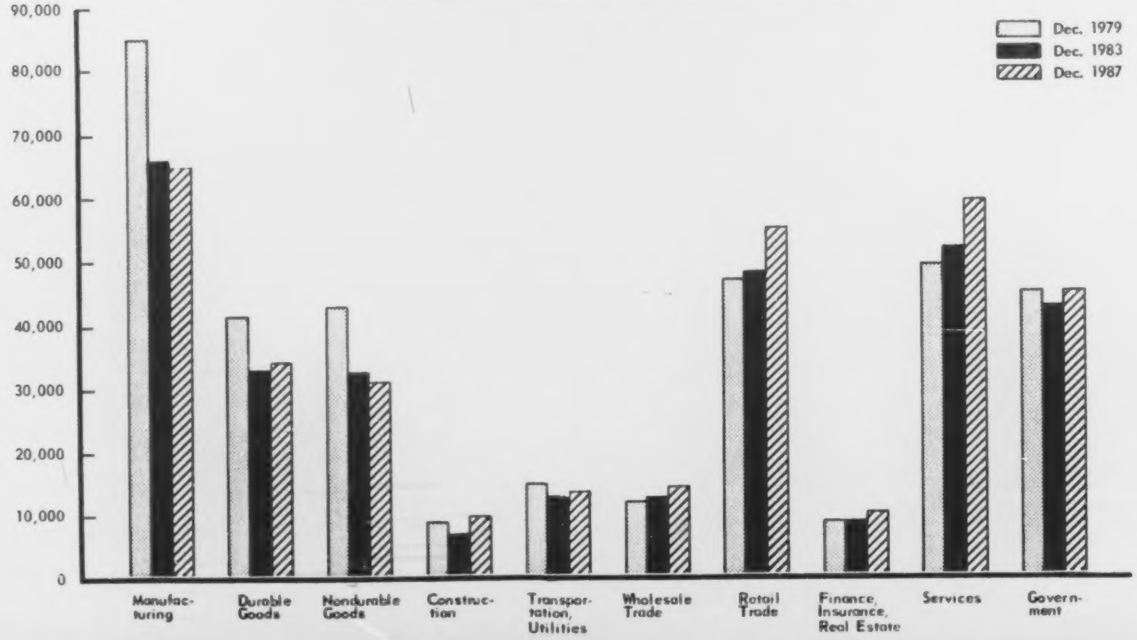
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
316.9	293.4	23.5	7.4	April	263.4	64.7	34.9	483.75	43.0	11.25
320.9	297.5	23.4	7.3	May	266.8	64.5	35.0	487.19	43.0	11.33
317.3	294.3	23.1	7.3	June	262.8	64.5	35.0	488.32	43.1	11.33
321.3	299.8	21.6	6.7	July	262.9	64.2	34.9	469.42	42.1	11.15
318.8	295.7	23.1	7.2	August	263.1	64.3	35.0	482.36	43.3	11.14
316.3	298.1	18.2	5.7	September	270.1	65.3	36.0	488.42	43.3	11.28
319.7	301.0	18.7	5.8	October	271.8	65.0	35.9	487.73	43.2	11.29
321.5	302.9	18.6	5.8	November	272.2	65.4	36.2	484.44	43.1	11.24
INA	INA	INA	INA	December	272.5	65.2	36.1	505.27	44.4	11.38

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1987[b]	November 1987[c]	December 1986[c]	From Last Month	From Last Year
TOTAL	272.5	272.2	266.4	.2	6.1
MANUFACTURING	65.2	65.4	67.0	- .2	- 1.8
Durable Goods[e]	34.5	34.7	34.9	- .2	- .4
Fabricated metal products	12.6	12.8	13.0	- .2	- .5
Machinery, except electrical	9.4	9.4	9.2	.0	.1
Metalworking machinery	3.1	3.1	3.0	.0	.2
Nondurable Goods[f]	30.7	30.7	32.1	.0	- 1.4
Food and kindred products	2.8	2.8	2.7	.0	.1
Chemicals and allied products	3.0	3.0	2.9	.0	.1
Rubber and misc. plastics products	19.3	19.3	20.9	.1	- 1.6
Tires and inner tubes	11.7	11.7	13.7	.0	- 1.9
NONMANUFACTURING[g]	207.3	206.9	199.4	.4	7.9
CONSTRUCTION	10.0	10.9	8.9	- .9	1.0
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.6	13.2	.0	.3
Communication, electric, gas services	5.5	5.5	5.4	.0	.1
WHOLESALE TRADE	13.8	13.7	13.8	.0	.0
RETAIL TRADE	54.9	54.0	53.3	.9	1.6
General merchandise stores	7.6	7.3	8.0	.3	- .4
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.5	10.3	.0	.2
Banking	3.1	3.1	3.1	.0	.0
SERVICES	58.9	58.7	55.2	.1	3.7
Business services	11.6	11.4	10.6	.2	1.0
Amusement and recreation services	3.1	3.1	2.4	.0	.6
Health services	18.5	18.4	17.7	.1	.8
GOVERNMENT	45.0	44.7	44.0	.3	1.0
State government	16.6	16.6	15.9	.1	.8
State government education[i]	13.7	13.6	13.0	.1	.7
State government, except education	2.9	2.9	2.9	.0	.0
Local government	25.8	25.8	25.8	.1	.1
Local government education	15.0	14.7	14.5	.3	.5
Local government, except education	10.9	11.1	11.3	- .2	- .5

Hours & Earnings of Production or Nonsupervisory Workers[a]

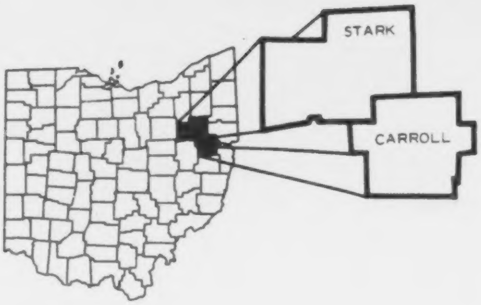
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]
MANUFACTURING	$505.27	$484.44	$498.08	44.4	43.1	43.5	$11.38	$11.24	$11.45
Durable Goods[e]	519.92	495.36	526.55	44.4	43.0	44.1	11.71	11.52	11.94
Fabricated metal products	614.88	585.59	660.66	44.3	42.9	46.2	13.88	13.65	14.30
Machinery, except electrical	476.63	455.17	448.63	46.5	44.8	44.2	10.25	10.16	10.15
Metalworking machinery	507.30	501.96	454.67	47.5	47.0	44.1	10.68	10.68	10.31
Nondurable Goods[f]	481.98	466.99	457.74	44.3	43.2	42.7	10.88	10.81	10.72
Food and kindred products	490.81	468.50	479.57	44.7	43.5	44.2	10.98	10.77	10.85
Chemicals and allied products	515.93	517.28	462.59	44.4	43.8	41.6	11.62	11.81	11.12
Rubber and misc. plastics products	484.64	482.45	485.53	44.3	44.1	44.3	10.94	10.94	10.96
Tires and inner tubes	731.91	731.43	674.86	47.9	47.9	46.8	15.28	15.27	14.42
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	568.10	567.69	559.37	40.9	40.9	41.1	13.89	13.88	13.61
WHOLESALE TRADE	334.13	334.15	320.17	37.5	37.8	37.8	8.91	8.84	8.47
RETAIL TRADE[h]	203.42	198.67	200.32	32.6	32.2	32.0	6.24	6.17	6.26

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1987	November 1987	December 1986
Employment Service Program			
New Applicants	2,276	2,262	2,315
Active File of Job Seekers	16,067	17,533	20,194
Referrals to Jobs	813	937	720
Placements	258	185	188
Job Openings Received	519	417	355
Job Openings Unfilled	717	1,117	506
Unemployment Insurance Program			
Initial Claims	5,356	3,315	5,949
Continued Claims	30,770	21,116	35,499
First Payments	1,888	1,039	1,928
Last Payments	416	376	370
Weeks Compensated	22,733	15,138	22,890
Benefits Paid	$3,406,954	$2,251,949	$3,357,683
Average Weekly Payment	$153.99	$152.84	$150.40

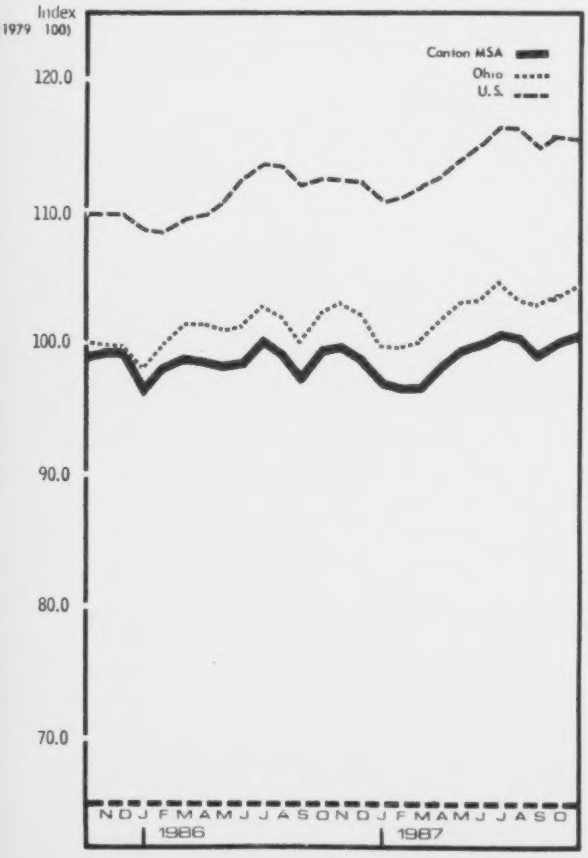
CANTON
METROPOLITAN STATISTICAL AREA



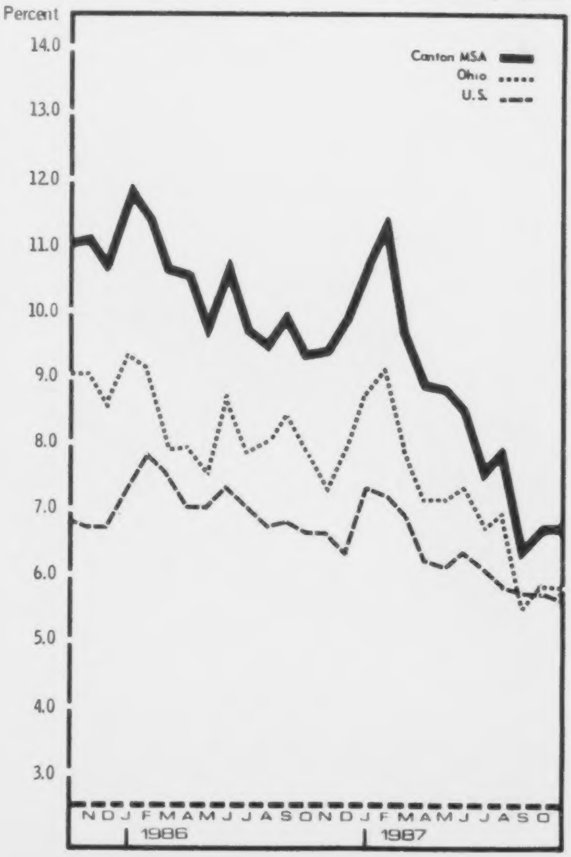
Nonagricultural wage and salary employment for the Canton area increased slightly from November, to 157,800 in December. Manufacturing employment registered a moderate increase of 100 jobs for a total of 42,600, while nonmanufacturing remained unchanged. Manufacturing production workers averaged a 43.1 hour workweek, up 1.0 hours from November. Their average hourly earnings increased slightly, to $11.37.

Since December 1986, nonagricultural wage and salary employment expanded 3,400 jobs. Increases in retail trade, construction, and services accounted for the growth. Declines in fabricated metal products contributed to a reduction of 300 in manufacturing employment over the year.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

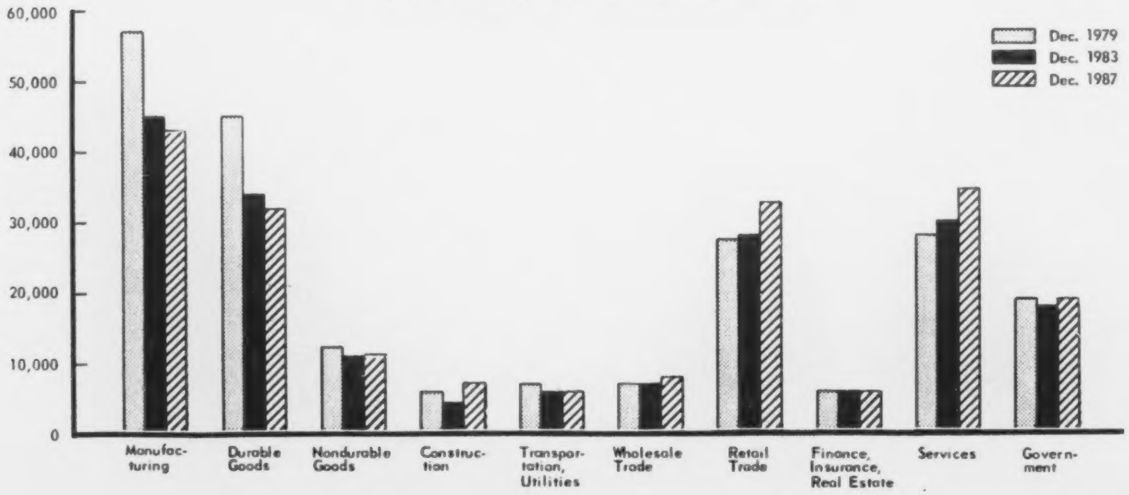


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
187.3	170.6	16.7	8.9	April	153.9	42.7	30.2	471.03	41.5	11.35
189.2	172.6	16.7	8.8	May	155.6	42.5	30.1	486.35	42.7	11.39
189.7	173.5	16.2	8.5	June	156.4	42.5	30.1	479.39	42.2	11.36
189.1	175.0	14.1	7.5	July	154.8	41.7	29.5	470.50	41.6	11.31
188.8	173.9	14.8	7.9	August	156.1	42.2	30.2	460.73	41.1	11.21
183.7	172.1	11.6	6.3	September	156.8	42.5	30.5	468.95	41.5	11.30
186.2	173.8	12.4	6.7	October	157.6	42.4	30.5	476.52	41.8	11.40
187.3	174.9	12.5	6.7	November	157.7	42.5	30.6	475.73	42.1	11.30
INA	INA	INA	INA	December	157.8	42.6	30.6	490.05	43.1	11.37

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1987[b]	November 1987[c]	December 1986[c]	From Last Month	From Last Year
TOTAL	157.8	157.7	154.4	.1	3.4
MANUFACTURING	42.6	42.5	42.8	.1	- .3
Durable Goods[e]	31.5	31.4	31.5	.0	- .1
Primary metal industries	10.3	10.2	9.9	.1	.4
Fabricated metal products	6.1	6.1	6.7	.0	- .6
Metal forgings and stampings	2.0	2.0	2.3	.0	- .3
Nondurable Goods[f]	11.1	11.0	11.3	.1	- .2
Food and kindred products	3.6	3.5	3.8	.1	- .2
Rubber and misc. plastics products	2.8	2.8	2.7	.0	.1
NONMANUFACTURING[g]	115.2	115.3	111.6	.0	3.7
CONSTRUCTION	6.9	7.3	5.8	- .3	1.2
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	6.0	.0	.1
Communication, electric, gas services ..	2.7	2.7	2.7	.0	.0
WHOLESALE TRADE	8.1	8.1	8.1	.0	.0
Wholesale trade-durable goods	4.5	4.5	4.6	.0	- .1
RETAIL TRADE	33.3	32.8	32.0	.5	1.3
General merchandise stores	4.6	4.4	4.6	.2	.0
Food stores	5.4	5.3	5.2	.0	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.5	.0	.0
Banking	1.9	1.9	1.9	.0	.0
SERVICES	34.7	34.8	33.7	- .1	.9
Health services	14.9	15.0	14.5	.0	.4
GOVERNMENT	18.6	18.6	18.4	.0	.2
State government (includes education) ..	1.7	1.7	1.7	.0	.0
Local government	15.5	15.5	15.3	.0	.2
Local government education	9.0	9.0	9.4	.0	- .3
Local government, except education ...	6.4	6.5	5.9	.0	.5

Hours & Earnings of Production or Nonsupervisory Workers[a]

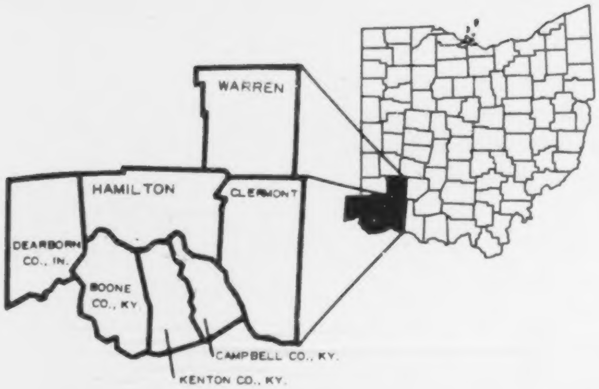
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]
MANUFACTURING	$490.05	$475.73	$476.94	43.1	42.1	41.8	$11.37	$11.30	$11.41
Durable Goods[e]	513.04	494.28	501.17	44.0	42.5	42.4	11.66	11.63	11.82
Primary metal industries	572.66	558.12	547.39	44.6	43.4	43.0	12.84	12.86	12.73
Fabricated metal products	459.46	456.96	502.10	42.9	42.0	42.3	10.71	10.88	11.87
Metal forgings and stampings	628.12	627.94	640.15	42.7	42.2	43.4	14.71	14.88	14.75
Nondurable Goods[f]	421.83	415.95	406.21	40.6	40.7	40.1	10.39	10.22	10.13
Food and kindred products	451.69	430.94	452.24	41.1	40.2	41.3	10.99	10.72	10.95
Rubber and misc. plastics products	440.73	433.84	420.09	41.5	41.2	41.8	10.62	10.53	10.05
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	557.47	563.33	544.66	40.9	41.3	41.2	13.63	13.64	13.22
WHOLESALE TRADE	375.34	389.78	353.35	38.3	38.9	35.8	9.80	10.02	9.87
RETAIL TRADE[h]	159.10	156.02	156.51	29.3	29.0	29.2	5.43	5.38	5.36

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

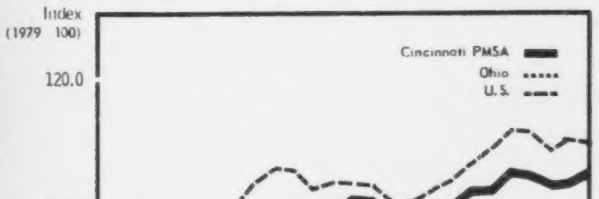
	December 1987	November 1987	December 1986
Employment Service Program			
New Applicants	1,294	1,202	1,708
Active File of Job Seekers	10,784	10,895	17,939
Referrals to Jobs	578	950	955
Placements	209	153	178
Job Openings Received	410	452	501
Job Openings Unfilled	577	600	286
Unemployment Insurance Program			
Initial Claims	3,982	2,424	5,403
Continued Claims	14,585	13,221	28,750
First Payments	1,078	646	1,441
Last Payments	215	169	317
Weeks Compensated	12,052	8,871	19,993
Benefits Paid	$1,639,133	$1,205,218	$2,869,280
Average Weekly Payment	$141.33	$142.84	$149.78

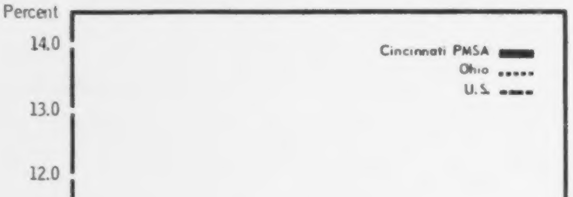
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural wage and salary employment in the Cincinnati metropolitan area was 694,100 in December, up 1,900 from November. Manufacturing employment, at 146,200, improved slightly over the month. Nonmanufacturing employment increased 1,700 as seasonal gains in retail trade, amusement and recreation services, and federal government more than offset seasonal declines in construction. Factory production workers earned an average of $11.10 per hour, up $.08 from November. The average workweek, 44.0 hours, was .7 hours longer.

Since December 1986, nonfarm employment increased 25,000. Growth in retail trade, business and health services, and construction contributed most to the improvement, although nearly all nonmanufacturing sectors recorded gains. Manufacturing employment lost 2,400 workers over the year, as reductions in motor vehicles and equipment overshadowed gains in nondurable-goods industries.


INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

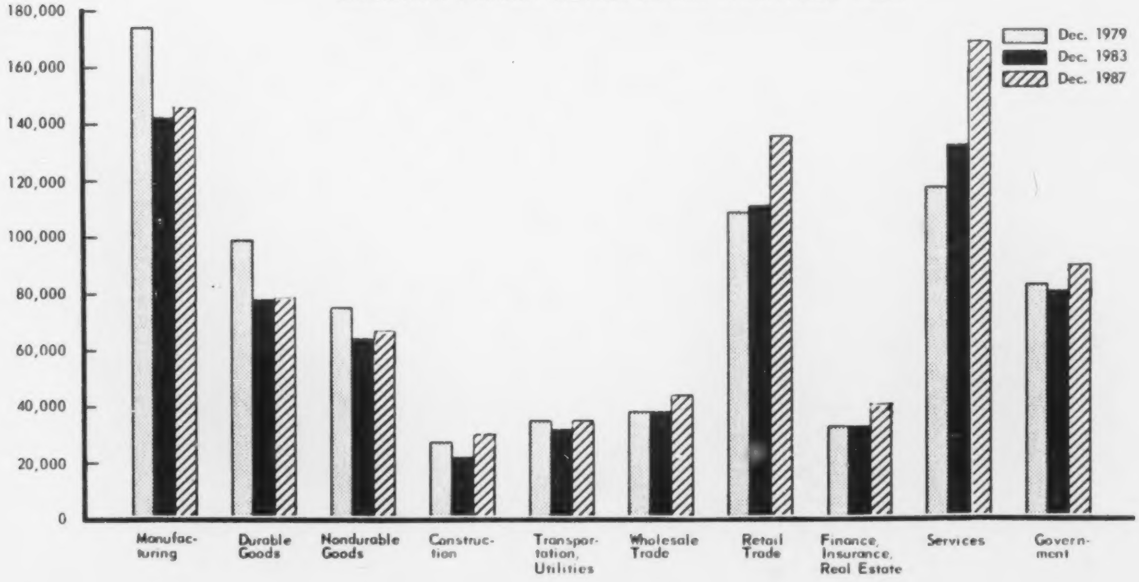

UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
727.0	675.0	52.0	7.2	March	657.2	143.9	91.6	462.40	42.5	10.88
732.2	691.5	40.7	5.6	April	671.8	147.5	95.3	459.38	41.8	10.99
740.9	699.3	41.6	5.6	May	678.7	148.1	95.7	466.15	42.3	11.02
747.8	698.8	48.9	6.5	June	679.2	145.4	92.6	466.52	42.8	10.90
752.9	708.5	44.4	5.9	July	678.2	145.6	92.4	451.73	42.1	10.73
744.9	705.9	38.9	5.2	August	684.7	149.2	96.2	472.69	42.7	11.07
738.5	702.0	36.6	4.9	September	688.8	147.0	94.2	471.71	43.0	10.97
744.2	703.3	41.0	5.5	October	687.9	144.9	92.0	467.41	43.0	10.87
747.7	709.4	38.3	5.1	November	692.2	146.1	93.7	477.17	43.3	11.02
INA	INA	INA	INA	December	694.1	146.2	93.9	488.40	44.0	11.10

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1987[b]	November 1987[c]	December 1986[c]	From Last Month	From Last Year
TOTAL	694.1	692.2	669.1	1.9	25.0
MANUFACTURING	146.2	146.1	148.6	.1	- 2.4
Durable Goods[e]	78.6	78.6	82.6	.0	- 4.0
Fabricated metal products	11.3	11.3	11.1	.0	.2
Fabricated structural metal products	4.5	4.5	4.3	.0	.2
Machinery, except electrical	19.4	19.4	20.1	.0	- .7
Metalworking machinery	7.8	7.8	8.3	.0	- .5
General industrial machinery	2.7	2.7	2.7	.0	.0
Electric and electronic equipment	7.5	7.5	7.4	.0	.0
Transportation equipment	25.0	25.0	29.2	.0	- 4.2
Motor vehicles and equipment	4.9	4.8	8.7	.1	- 3.8
Nondurable Goods[f]	67.7	67.5	66.0	.2	1.6
Food and kindred products	13.4	13.3	13.2	.1	.2
Beverages	3.7	3.7	3.9	.0	- .2
Apparel and other textile products	3.9	4.0	3.5	.0	.5
Paper and allied products	6.7	6.8	6.5	.0	.3
Printing and publishing	13.4	13.4	13.0	.0	.4
Commercial printing	5.8	5.8	5.4	.0	.5
Chemicals and allied products	22.5	22.4	22.3	.1	.2
Rubber and misc. plastics products	5.8	5.8	5.5	.0	.3
NONMANUFACTURING[g]	547.8	546.1	520.5	1.7	27.3
CONSTRUCTION	30.5	31.8	27.7	- 1.3	2.8
TRANSPORTATION AND PUBLIC UTILITIES	35.3	35.3	34.5	- .1	.8
Trucking and warehousing	9.7	9.7	9.7	.0	.0
Communication, electric, gas services	15.3	15.3	15.3	.0	.0
WHOLESALE TRADE	46.1	45.8	43.8	.3	2.3
Wholesale trade-durable goods	27.7	27.5	26.1	.2	1.5
RETAIL TRADE	135.5	133.7	129.9	1.8	5.6
General merchandise stores	21.7	20.7	21.4	1.0	.3
FINANCE, INSURANCE, AND REAL ESTATE	41.2	41.0	39.0	.3	2.2
Banking	8.7	8.6	8.2	.1	.5
Insurance carriers	13.4	13.3	12.7	.0	.7
SERVICES	168.9	168.5	157.5	.3	11.3
Hotels and other lodging places	6.6	6.7	6.3	- .1	.3
Personal services	8.6	8.5	8.1	.1	.4
Business services	41.1	41.0	36.6	.1	4.5
Amusement and recreation services	8.0	7.3	7.5	.7	.5
Health services	52.6	52.7	49.9	- .1	2.7
Hospitals	25.3	25.3	23.8	.0	1.5
GOVERNMENT	89.9	89.5	87.7	.4	2.2
Federal government	14.9	14.4	14.1	.5	.9
State government	19.8	19.8	19.5	.0	.4
State government education[1]	12.0	12.1	11.5	- .1	.5
State government, except education	7.8	7.7	7.9	.1	- .1
Local government	55.1	55.3	54.2	- .2	1.0
Local government education	33.2	33.0	32.6	.2	.6
Local government, except education	21.9	22.3	21.5	- .4	.4

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]
MANUFACTURING	$488.40	$477.17	$472.14	44.0	43.3	43.0	$11.10	$11.02	$10.98
Durable Goods[e]	489.29	474.80	485.27	44.4	43.4	43.6	11.02	10.94	11.13
Fabricated metal products	434.39	421.28	405.32	44.1	42.9	42.8	9.85	9.82	9.47
Fabricated structural metal products	439.79	427.17	411.83	44.2	43.5	42.5	9.95	9.82	9.69
Machinery, except electrical	442.54	430.14	425.83	43.6	42.8	43.1	10.15	10.05	9.88
Metalworking machinery	509.08	480.31	478.95	44.5	43.0	43.9	11.44	11.17	10.91
General industrial machinery	451.12	457.24	408.22	46.7	46.8	43.8	9.66	9.77	9.32
Electric and electronic equipment	379.60	360.80	368.74	42.7	41.0	41.2	8.89	8.80	8.95
Transportation equipment	725.80	709.72	696.93	47.5	46.6	46.9	15.28	15.23	14.86
Motor vehicles and equipment	796.55	784.40	694.85	48.6	47.8	44.8	16.39	16.41	15.51
Nondurable Goods[f]	485.90	479.95	458.34	43.5	43.2	42.4	11.17	11.11	10.81
Food and kindred products	526.12	538.44	491.19	44.7	45.4	43.7	11.77	11.86	11.24
Beverages	518.32	519.57	544.36	41.3	41.4	43.9	12.55	12.55	12.40
Apparel and other textile products	223.26	223.00	206.07	39.1	39.4	37.4	5.71	5.66	5.51
Paper and allied products	432.26	438.46	412.93	43.4	44.2	41.5	9.96	9.92	9.95
Printing and publishing	489.90	462.58	455.20	42.6	40.9	40.0	11.50	11.31	11.38
Commercial printing	516.82	476.30	527.03	44.4	42.3	44.4	11.64	11.26	11.87
Chemicals and allied products	569.38	560.72	527.35	43.9	43.5	42.7	12.97	12.89	12.35
Rubber and misc. plastics products	413.36	409.85	438.24	44.4	44.5	48.0	9.31	9.21	9.13
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	553.78	555.41	532.13	40.6	40.6	40.1	13.64	13.68	13.27
WHOLESALE TRADE	395.24	393.05	383.26	41.3	41.2	40.6	9.57	9.54	9.44
RETAIL TRADE[h]	171.60	164.40	164.96	30.0	29.2	29.3	5.72	5.63	5.63
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	259.17	259.95	256.54	....	....	....	.....	.....	.....

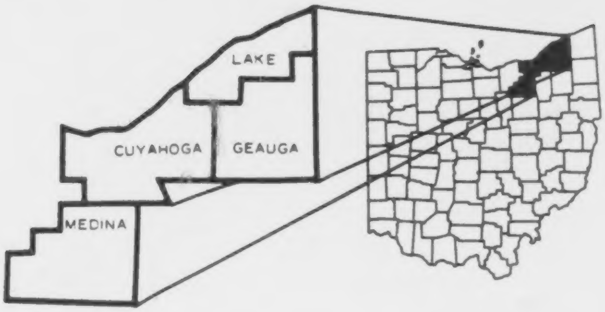
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	December 1987	November 1987	December 1986
Employment Service Program			
New Applicants	3,063	3,505	3,165
Active File of Job Seekers	21,328	21,010	24,488
Referrals to Jobs	2,155	2,333	1,240
Placements	714	956	354
Job Openings Received	1,060	1,163	501
Job Openings Unfilled	1,813	3,222	1,215
Unemployment Insurance Program			
Initial Claims	6,719	5,105	9,813
Continued Claims	49,031	37,324	50,809
First Payments	2,419	1,568	3,588
Last Payments	450	358	579
Weeks Compensated	35,862	27,130	32,432
Benefits Paid	$5,733,261	$4,333,086	$4,709,850
Average Weekly Payment	$163.15	$162.88	$148.68

[a] Ohio data only

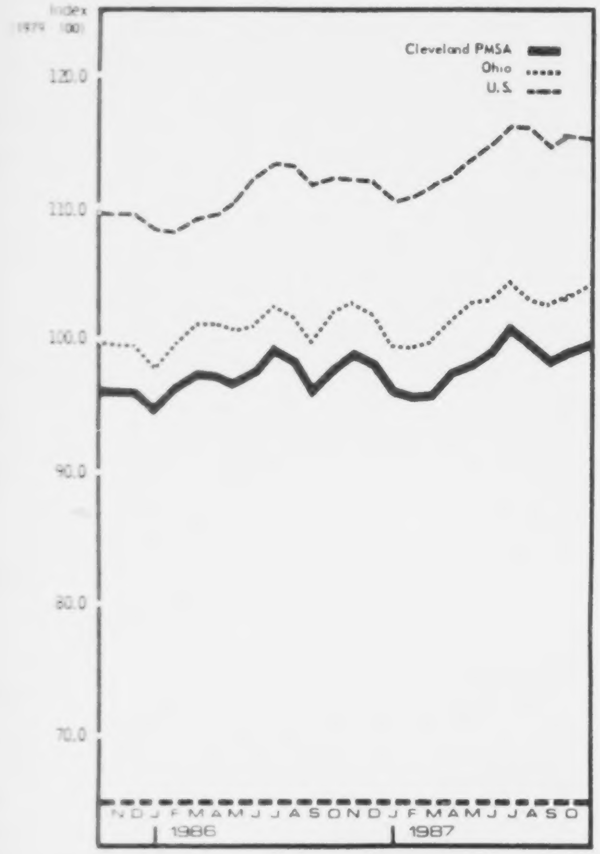
CLEVELAND
PRIMARY
METROPOLITAN
STATISTICAL
AREA



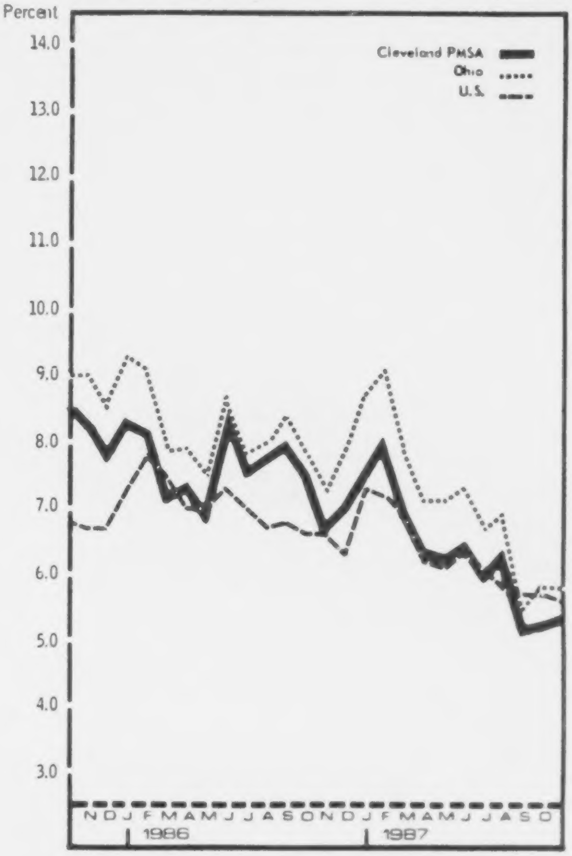
Nonagricultural wage and salary employment in the Cleveland metropolitan area advanced 2,300 from November, to 919,900 in December. Manufacturing employment improved slightly, to 206,600. Nonmanufacturing employment increased 2,200 jobs as seasonal increases in retail trade, especially general merchandise stores, outweighed losses in construction and services. In December, factory production workers worked an average of 44.1 hours per week, up .3 hours. Their average hourly earnings were $11.67, down slightly from November.

From December 1986 to December 1987, nonfarm employment increased 23,300. Gains in nonmanufacturing sectors provided ninety-five percent of the jobs. Significant growth was registered in services, retail trade, and finance, insurance, and real estate. Manufacturing employment rose 1,200 during the period primarily due to scattered advances in nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

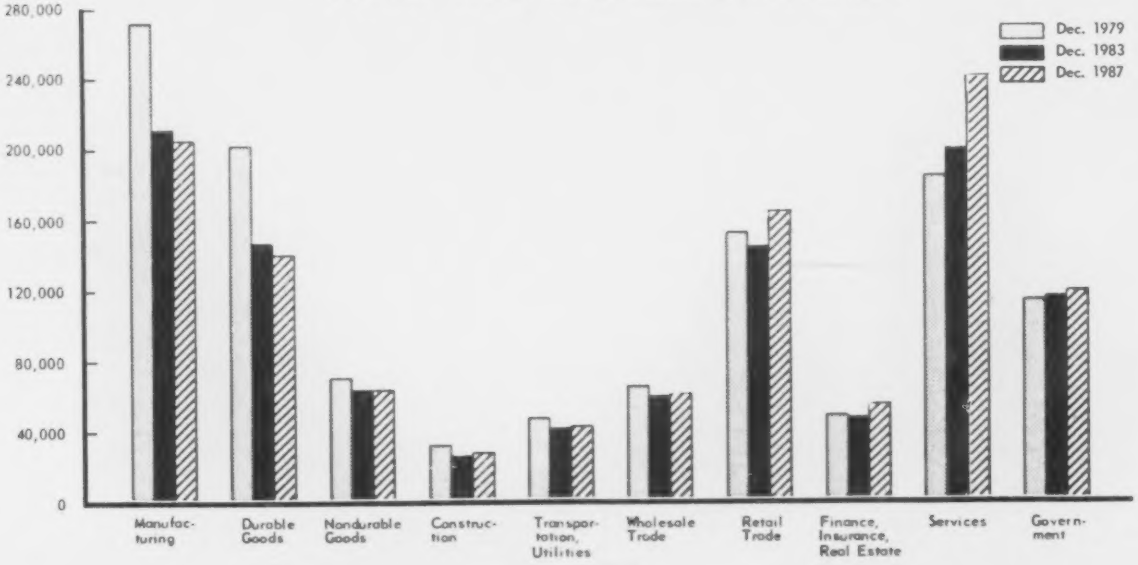


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
914.3	850.9	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
923.1	865.1	58.0	6.3	April	893.4	203.8	130.9	494.89	42.7	11.59
930.8	872.8	58.0	6.2	May	900.8	203.9	130.3	493.19	42.7	11.55
940.0	879.7	60.3	6.4	June	908.0	204.2	130.5	494.21	42.9	11.52
954.0	897.4	56.6	5.9	July	910.0	202.8	128.9	476.52	41.8	11.40
942.3	882.9	59.4	6.3	August	908.3	203.3	129.6	486.75	42.4	11.48
918.1	871.2	46.9	5.1	September	909.4	204.6	131.0	487.05	42.5	11.46
927.5	879.4	48.1	5.2	October	913.6	205.6	131.9	501.85	43.3	11.59
937.6	887.6	50.0	5.3	November	917.5	206.5	132.8	510.71	43.8	11.66
INA	INA	INA	INA	December	919.9	206.6	133.0	514.65	44.1	11.67

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Chnage[d] (in thousands)	
	December 1987[b]	November 1987[c]	December 1986[c]	From Last Month	From Last Year
TOTAL	919.9	917.5	896.5	2.3	23.3
MANUFACTURING	206.6	206.5	205.4	.1	1.2
Durable Goods[e]	140.5	140.3	140.5	.2	.0
Primary metal industries	21.3	21.2	21.3	.2	.1
Iron and steel foundries	5.4	5.3	5.4	.1	.0
Fabricated metal products	33.3	33.2	32.6	.1	.8
Fabricated structural metal products	3.9	3.9	3.9	.0	.0
Screw machine products, bolts, etc.	4.9	4.9	4.6	.0	.2
Metal forgings and stampings	11.6	11.5	11.3	.1	.3
Machinery, except electrical	30.2	30.2	30.6	.0	- .4
Construction and related machinery	2.7	2.6	2.5	.0	.1
Metalworking machinery	9.8	9.8	10.1	.0	- .3
Special industry machinery	3.2	3.3	3.5	- .1	- .3
General industrial machinery	2.8	2.8	2.9	.0	- .1
Electric and electronic equipment	19.2	19.3	19.1	.0	.1
Electrical industrial apparatus	6.6	6.6	6.5	.1	.2
Transportation equipment	19.3	19.3	19.5	.0	- .2
Motor vehicles and equipment	12.3	12.3	12.5	.0	- .2
Instruments and related products	6.3	6.3	7.2	.0	- .9
Measuring and controlling devices	4.1	4.1	4.3	.0	- .2
Nondurable Goods[f]	66.2	66.2	64.9	.0	1.3
Food and kindred products	7.2	7.1	6.9	.1	.3
Apparel and other textile products	4.0	4.0	4.4	.0	- .4
Paper and allied products	5.8	5.8	5.5	.0	.3
Printing and publishing	16.8	16.9	16.6	- .1	.2
Chemicals and allied products	15.0	15.0	14.6	.0	.5
Rubber and misc. plastics products	12.2	12.2	11.9	.0	.3
NONMANUFACTURING[g]	713.2	711.0	691.1	2.2	22.1
CONSTRUCTION	27.1	28.7	25.1	- 1.6	2.0
TRANSPORTATION AND PUBLIC UTILITIES	42.1	41.9	42.5	.2	- .4
Trucking and warehousing	12.7	12.4	12.5	.2	.2
Communication, electric, gas services	18.0	18.1	18.8	.0	- .8
WHOLESALE TRADE	62.3	62.3	62.5	.0	- .2
Wholesale trade-durable goods	42.8	42.9	43.4	- .1	- .6
RETAIL TRADE	164.7	160.8	159.5	3.9	5.2
General merchandise stores	23.0	22.0	22.9	1.0	.1
FINANCE, INSURANCE, AND REAL ESTATE	55.6	55.5	53.4	.1	2.2
Banking	13.5	13.5	13.2	.0	.3
Credit agencies other than banks	9.3	9.2	8.9	.0	.4
Insurance carriers	13.4	13.4	12.9	.0	.5
SERVICES	240.9	241.7	229.2	- .8	11.7
Business services	55.5	55.3	51.3	.2	4.2
Amusement and recreation services	6.9	7.3	6.8	- .3	.2
Health services	76.3	76.3	73.2	.0	3.1
Hospitals	44.3	44.2	42.3	.1	2.0
GOVERNMENT	119.5	119.0	117.8	.5	1.7
Federal government	21.1	20.6	20.2	.5	.9
State government	8.6	8.2	8.5	.4	.1
State government education[i]	3.4	3.1	3.3	.3	.1
State government, except education	5.2	5.1	5.2	.1	.0
Local government	89.9	90.2	89.2	- .3	.7
Local government education	45.1	45.4	43.6	- .4	1.5
Local government, except education	44.8	44.8	45.6	.0	- .8

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

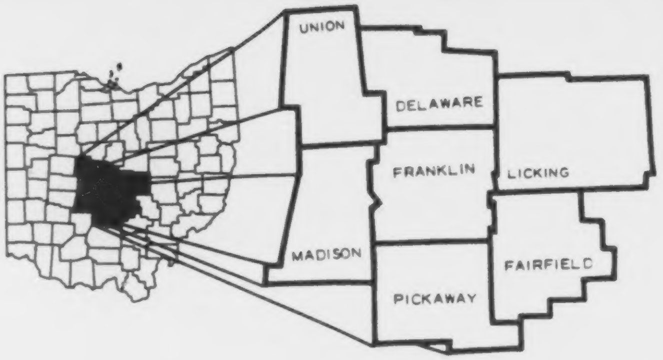
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]
MANUFACTURING	$514.65	$510.71	$505.61	44.1	43.8	43.4	$11.67	$11.66	$11.65
Durable Goods[e]	552.93	549.58	543.12	45.1	44.9	44.3	12.26	12.24	12.26
Primary metal industries	588.47	605.83	639.39	46.3	47.0	45.9	12.71	12.89	13.93
Iron and steel foundries	767.45	862.00	930.42	45.6	50.0	54.0	16.83	17.24	17.23
Fabricated metal products	572.88	543.79	544.05	46.2	44.5	45.0	12.40	12.22	12.09
Fabricated structural metal products	412.72	423.00	389.63	41.9	42.3	41.1	9.85	10.00	9.48
Screw machine products, bolts, etc.	556.74	535.93	443.23	49.4	48.5	42.7	11.27	11.05	10.38
Metal forgings and stampings	729.07	672.04	732.08	48.8	45.5	49.7	14.94	14.77	14.73
Machinery, except electrical	504.89	519.20	482.42	43.6	44.3	43.5	11.58	11.72	11.09
Construction and related machinery	457.86	440.33	426.42	48.4	47.5	46.4	9.46	9.27	9.19
Metalworking machinery	444.22	447.68	433.82	41.4	41.8	42.2	10.73	10.71	10.28
Special industry machinery	515.30	497.27	492.41	40.8	40.2	41.0	12.63	12.37	12.01
General industrial machinery	519.38	525.55	496.39	45.4	45.7	44.4	11.44	11.50	11.18
Electric and electronic equipment	476.08	453.69	421.14	44.0	42.6	40.3	10.82	10.65	10.45
Electrical industrial apparatus	521.10	510.85	424.47	44.5	43.7	38.8	11.71	11.69	10.94
Transportation equipment	720.26	732.73	722.48	46.2	47.0	47.5	15.59	15.59	15.21
Motor vehicles and equipment	785.39	800.85	758.59	46.5	47.5	47.8	16.89	16.86	15.87
Instruments and related products	419.74	409.78	440.22	42.7	41.9	43.5	9.83	9.78	10.12
Measuring and controlling devices	423.90	406.00	434.02	41.6	40.0	43.1	10.19	10.15	10.07
Nondurable Goods[f]	421.59	419.38	418.32	41.7	41.4	41.5	10.11	10.13	10.08
Food and kindred products	375.24	359.86	386.33	42.4	40.8	42.5	8.85	8.82	9.09
Apparel and other textile products	330.02	324.31	299.53	40.1	38.7	38.5	8.23	8.38	7.78
Paper and allied products	483.75	472.92	486.14	43.0	42.0	44.6	11.25	11.26	10.90
Printing and publishing	409.73	429.87	423.12	38.8	40.1	38.5	10.56	10.72	10.99
Chemicals and allied products	528.44	507.03	503.84	44.0	42.5	43.1	12.01	11.93	11.69
Rubber and misc. plastics products	387.00	384.42	380.95	43.0	43.0	42.9	9.00	8.94	8.88
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	581.98	589.12	580.60	41.1	41.4	41.8	14.16	14.23	13.89
WHOLESALE TRADE	404.71	402.73	399.40	39.6	39.1	40.1	10.22	10.30	9.96
RETAIL TRADE[h]	182.45	174.25	180.18	28.2	27.1	28.6	6.47	6.43	6.30
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	297.59	295.31	296.35	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	339.75	341.46	336.48	31.4	31.5	32.7	10.82	10.84	10.29

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1987	November 1987	December 1986
Employment Service Program			
New Applicants	4,928	4,605	7,775
Active File of Job Seekers	59,036	58,206	92,049
Referrals to Jobs	1,468	2,020	1,563
Placements	335	385	376
Job Openings Received	926	1,005	831
Job Openings Unfilled	2,336	2,573	2,162
Unemployment Insurance Program			
Initial Claims	11,059	10,220	12,482
Continued Claims	73,669	52,927	78,088
First Payments	4,212	2,316	4,193
Last Payments	959	841	1,265
Weeks Compensated	52,695	37,626	57,469
Benefits Paid	$7,728,878	$5,474,694	$8,492,819
Average Weekly Payment	$149.48	$148.63	$150.55

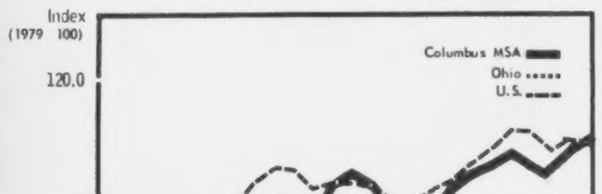
COLUMBUS METROPOLITAN STATISTICAL AREA



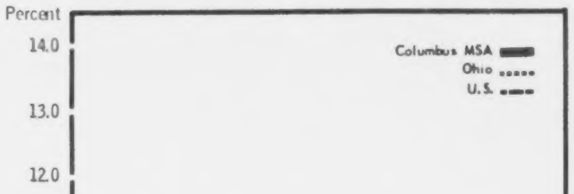
Nonfarm wage and salary employment in the Columbus metropolitan area totaled 675,700 in December, up 1,500 from November. Nonmanufacturing employment gained 1,900 jobs. Seasonal growth in retail trade and state government education offset seasonal declines in construction. Manufacturing employment, at 102,000, declined 400 due to losses in transportation equipment. Factory production workers earned an average of $11.43 an hour, down $.03 from November. The average workweek was up slightly, to 42.5 hours.

Since December 1986, nonfarm employment increased 25,200. Nearly all nonmanufacturing sectors recorded growth. The most notable increases were in services, retail trade, and construction. Manufacturing employment declined 3,900 over the year. Advances in nondurable-goods industries were overshadowed by losses in transportation equipment, stone, clay, and glass products, and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

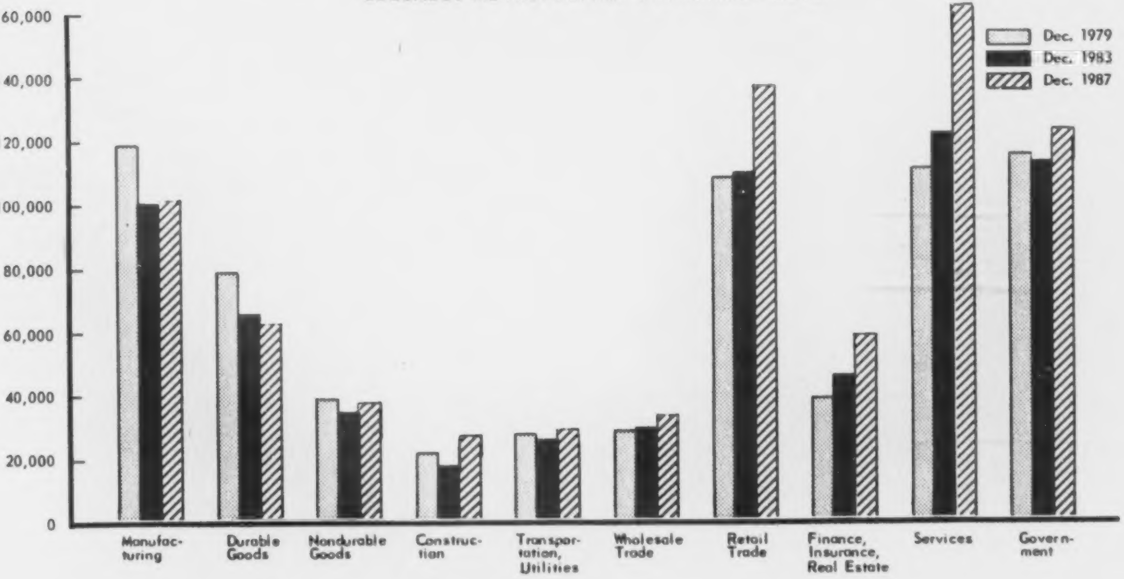


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.6	635.4	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
682.2	645.7	36.5	5.4	April	650.6	103.0	68.2	466.49	41.1	11.35
691.2	652.2	39.0	5.6	May	656.6	102.6	67.9	474.24	41.6	11.40
696.4	656.1	40.3	5.8	June	661.0	103.1	68.2	473.10	41.5	11.40
697.2	661.3	35.9	5.1	July	653.4	102.3	67.3	474.12	41.3	11.48
692.2	655.6	36.6	5.3	August	657.9	102.7	67.7	467.72	41.1	11.38
682.8	651.3	31.5	4.6	September	663.2	102.6	67.6	477.88	41.7	11.46
694.8	661.8	33.0	4.7	October	670.5	102.7	67.5	483.91	42.3	11.44
701.9	668.4	33.4	4.8	November	674.3	102.4	67.3	484.76	42.3	11.46
INA	INA	INA	INA	December	675.7	102.0	66.8	485.78	42.5	11.43

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1987[b]	November 1987[c]	December 1986[c]	From Last Month	From Last Year
TOTAL	675.7	674.3	650.5	1.5	25.2
MANUFACTURING	102.0	102.4	105.9	- .4	- 3.9
Durable Goods[e]	63.8	64.3	69.1	- .6	- 5.3
Stone, clay, and glass products	10.2	10.3	11.7	.0	- 1.4
Glass and glassware, pressed or blown	4.2	4.2	4.8	.0	- .5
Fabricated metal products	9.1	9.1	9.7	.1	- .6
Fabricated structural metal products	2.7	2.7	2.8	.0	.0
Machinery, except electrical	9.5	9.6	9.3	- .1	.2
Electric and electronic equipment	10.9	10.8	11.2	.1	- .4
Transportation equipment	12.3	12.8	15.9	- .5	- 3.5
Instruments and related products	4.1	4.1	4.1	.0	.0
Nondurable Goods[f]	38.3	38.1	36.8	.1	1.4
Food and kindred products	10.6	10.6	10.1	.1	.6
Printing and publishing	10.0	10.1	9.8	- .1	.3
Chemicals and allied products	7.1	7.1	7.1	.0	.0
Rubber and misc. plastics products	5.9	5.8	5.5	.1	.4
NONMANUFACTURING[g]	573.7	571.8	544.6	1.9	29.1
CONSTRUCTION	28.4	29.4	25.1	- 1.0	3.3
TRANSPORTATION AND PUBLIC UTILITIES	30.1	29.9	28.4	.2	1.7
Trucking and warehousing	12.4	12.2	11.6	.3	.8
Communication, electric, gas services	12.4	12.4	12.2	.0	.2
WHOLESALE TRADE	33.9	33.7	32.6	.2	1.3
Wholesale trade-durable goods	22.1	22.1	21.3	.1	.8
RETAIL TRADE	137.2	135.1	132.2	2.1	5.0
General merchandise stores	21.0	20.0	20.5	1.0	.5
FINANCE, INSURANCE, AND REAL ESTATE	57.8	57.6	55.1	.2	2.7
Banking	12.2	12.1	11.7	.1	.5
Insurance carriers	21.9	21.9	21.1	.0	.7
SERVICES	162.3	162.6	149.8	- .3	12.5
Business services	38.8	38.6	33.8	.2	5.0
Health services	41.1	41.1	38.9	.0	2.2
Hospitals	17.6	17.6	16.9	.0	.8
GOVERNMENT	123.1	122.5	120.5	.6	2.6
Federal government	15.4	15.4	15.5	.0	- .1
State government	55.1	54.5	53.6	.7	1.6
State government education[i]	24.5	23.9	23.9	.6	.6
State government, except education	30.6	30.5	29.7	.1	.9
Local government	52.5	52.6	51.4	- .1	1.2
Local government education	31.8	32.0	30.9	- .2	.9
Local government, except education	20.7	20.6	20.4	.1	.3

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

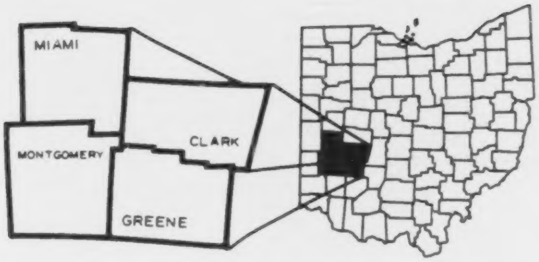
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]
MANUFACTURING	$485.78	$484.76	$472.79	42.5	42.3	41.4	$11.43	$11.46	$11.42
Durable Goods[e]	497.46	494.81	481.97	42.7	42.4	41.3	11.65	11.67	11.67
Stone, clay, and glass products	473.34	475.69	443.90	40.7	41.4	38.3	11.63	11.49	11.59
Glass and glassware, pressed or blown.	424.93	432.95	417.79	38.7	40.2	38.4	10.98	10.77	10.88
Fabricated metal products	530.72	533.68	488.44	42.8	42.9	40.4	12.40	12.44	12.09
Fabricated structural metal products	501.75	493.94	449.40	45.0	44.7	42.0	11.15	11.05	10.70
Machinery, except electrical	462.01	445.42	451.78	43.3	42.1	41.6	10.67	10.58	10.86
Electric and electronic equipment	444.00	455.53	466.49	40.0	40.6	41.1	11.10	11.22	11.35
Transportation equipment	643.55	650.53	581.64	46.6	46.7	44.4	13.81	13.93	13.10
Instruments and related products	416.98	413.66	429.94	40.8	40.2	42.4	10.22	10.29	10.14
Nondurable Goods[f]	463.52	463.68	451.52	42.1	42.0	41.5	11.01	11.04	10.88
Food and kindred products	464.45	453.18	425.32	42.3	41.5	40.7	10.98	10.92	10.45
Printing and publishing	546.48	541.63	530.15	40.6	40.3	40.5	13.46	13.44	13.09
Chemicals and allied products	551.69	561.15	543.56	42.9	43.5	42.8	12.86	12.90	12.70
Rubber and misc. plastics products	354.43	360.80	340.72	42.6	42.8	41.5	8.32	8.43	8.21
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	570.61	567.59	572.24	40.7	40.6	41.8	14.02	13.98	13.69
WHOLESALE TRADE	348.30	352.30	344.31	37.9	37.8	38.6	9.19	9.32	8.92
RETAIL TRADE[h]	192.86	175.80	176.09	29.9	28.4	29.3	6.45	6.19	6.01
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	252.72	254.93	249.75	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	336.78	335.80	322.85	34.4	34.3	34.2	9.79	9.79	9.44

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1987	November 1987	December 1986
Employment Service Program			
New Applicants	4,516	5,057	4,261
Active File of Job Seekers	30,880	31,241	33,368
Referrals to Jobs	1,845	2,407	1,599
Placements	578	615	465
Job Openings Received	1,080	1,245	1,162
Job Openings Unfilled	1,997	2,925	4,159
Unemployment Insurance Program			
Initial Claims	7,364	5,221	7,759
Continued Claims	47,664	37,017	49,655
First Payments	2,835	1,859	2,637
Last Payments	584	636	655
Weeks Compensated	36,977	26,632	35,962
Benefits Paid	$5,811,787	$4,179,103	$5,368,442
Average Weekly Payment	$160.41	$160.51	$152.87

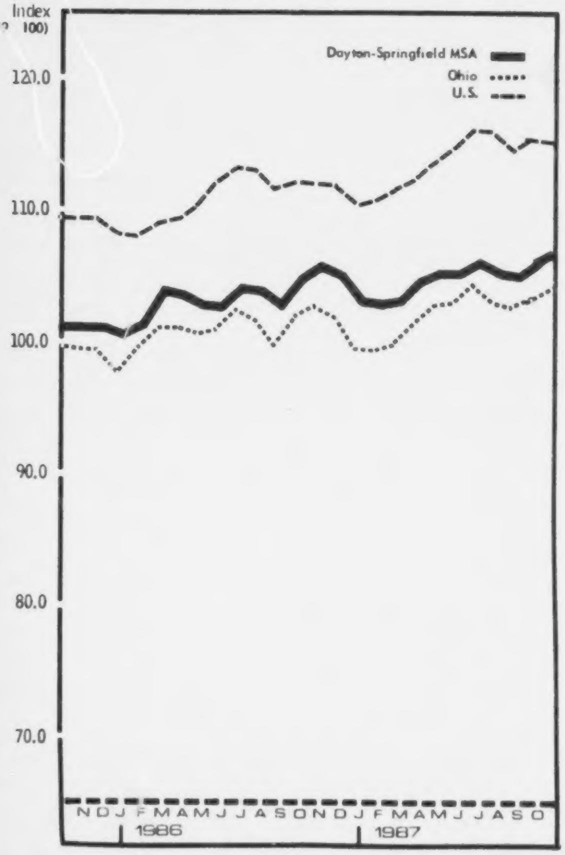
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



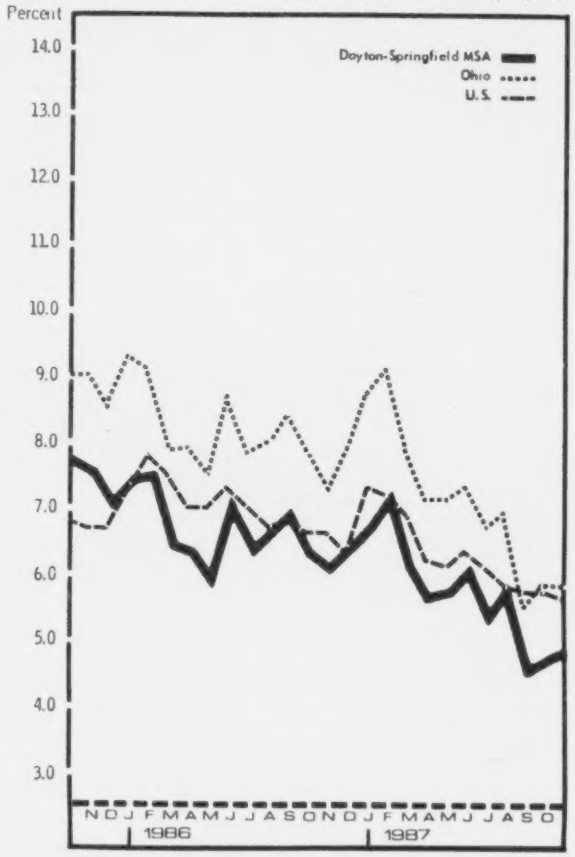
Over the past month, in the Dayton-Springfield metropolitan area, nonagricultural wage and salary employment totaled 440,300, down 400 jobs. Nonmanufacturing employment declined 300 as increases in retail trade were overshadowed by losses in construction and services. Manufacturing employment, at 104,000, was slightly lower than the November level. Production workers earned an average of $12.10 in December, up $.09 from last month. They worked an average of 42.9 hours, up .2 hours.

Nonagricultural wage and salary employment increased 8,300 since December 1986. The growth was concentrated in nonmanufacturing industries, with significant gains noted in business and health services, construction, and retail trade. Manufacturing employment declined 2,600 with losses recorded in durable-goods industries, especially transportation equipment and nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

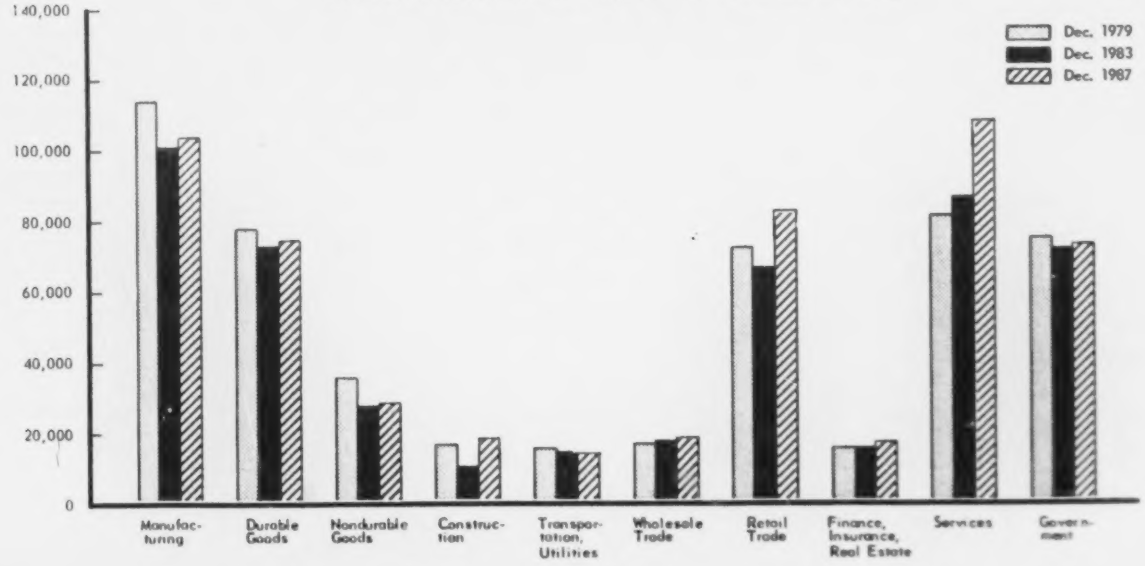


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Hours and Earnings: Average Weekly Hours	Hours and Earnings: Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
462.2	428.7	33.5	7.2	February	423.9	105.1	67.9	505.56	42.2	11.98
457.8	430.1	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85
462.4	436.4	26.0	5.6	April	431.4	105.2	68.0	486.10	41.3	11.77
466.0	439.2	26.7	5.7	May	433.8	104.7	67.5	486.04	41.4	11.74
467.3	439.0	28.4	6.1	June	433.5	104.7	67.3	502.18	42.2	11.90
467.3	442.5	24.8	5.3	July	428.7	104.1	66.1	492.19	41.5	11.86
465.5	438.7	26.8	5.8	August	431.4	104.6	66.7	492.89	41.7	11.82
459.1	438.2	20.9	4.5	September	437.6	105.2	67.9	487.69	41.4	11.78
463.1	441.4	21.7	4.7	October	438.6	104.1	66.9	507.37	42.6	11.91
468.2	445.6	22.6	4.8	November	440.7	104.1	67.3	512.83	42.7	12.01
INA	INA	INA	INA	December	440.3	104.0	67.2	519.09	42.9	12.10

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1987[b]	November 1987[c]	December 1986[c]	From Last Month	From Last Year
TOTAL	440.3	440.7	432.1	- .4	8.3
MANUFACTURING	104.0	104.1	106.5	- .1	- 2.6
Durable Goods[e]	74.5	74.7	77.0	- .1	- 2.5
Fabricated metal products	8.1	8.1	8.3	- .1	- .3
Machinery, except electrical	30.2	30.2	31.2	.0	- 1.0
Metalworking machinery	6.6	6.6	6.8	.0	- .2
General industrial machinery	2.6	2.6	2.6	.0	.1
Electric and electronic equipment	5.8	5.8	6.1	.0	- .3
Electrical industrial apparatus	3.3	3.3	3.5	.0	- .2
Transportation equipment	20.9	21.0	22.0	.0	- 1.1
Nondurable Goods[f]	29.4	29.4	29.5	.0	.0
Food and kindred products	3.1	3.1	2.9	.0	.2
Paper and allied products	6.1	6.1	5.9	.0	.2
Printing and publishing	9.0	8.9	8.6	.1	.4
Rubber and misc. plastics products	7.6	7.7	8.2	.0	- .6
NONMANUFACTURING[g]	336.4	336.7	325.5	- .3	10.8
CONSTRUCTION	18.9	19.9	16.0	- 1.0	2.9
TRANSPORTATION AND PUBLIC UTILITIES	15.0	15.0	15.2	.0	- .2
Communication, electric, gas services	5.6	5.6	6.0	.0	- .4
WHOLESALE TRADE	19.4	19.3	19.2	.1	.2
Wholesale trade-durable goods	13.4	13.3	13.2	.1	.2
RETAIL TRADE	82.7	81.3	80.3	1.4	2.4
General merchandise stores	13.0	12.3	13.5	.7	- .5
FINANCE, INSURANCE, AND REAL ESTATE	17.8	17.8	17.7	.0	.1
Banking	4.3	4.3	4.3	.0	.0
Credit agencies other than banks	4.6	4.6	4.6	.0	.0
Insurance carriers	2.6	2.6	2.8	.0	- .2
SERVICES	108.2	109.1	102.9	- .9	5.3
Business services	27.3	27.5	25.0	- .2	2.3
Health services	35.8	35.7	34.5	.1	1.3
Hospitals	18.3	18.3	18.0	.0	.3
Educational services	7.0	7.6	7.0	- .6	.0
GOVERNMENT	73.8	73.8	73.8	.0	.0
Federal government	28.5	28.5	27.7	.1	.9
State government	7.2	7.3	7.0	- .1	.2
State government education[i]	4.4	4.4	4.3	- .1	.0
State government, except education	2.9	2.9	2.7	.0	.2
Local government	38.1	38.0	39.1	.0	- 1.1
Local government education	23.6	23.6	24.7	.0	- 1.1
Local government, except education	14.5	14.5	14.4	.0	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

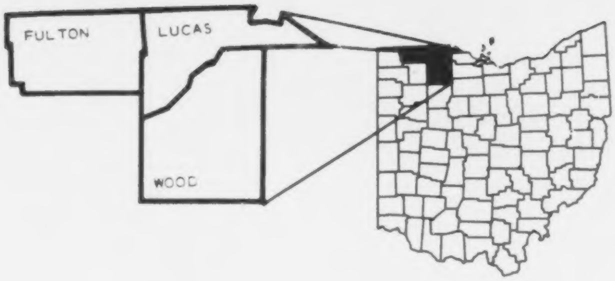
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]
MANUFACTURING	$519.09	$512.83	$509.32	42.9	42.7	42.8	$12.10	$12.01	$11.90
Durable Goods[e]	524.67	517.65	517.45	42.9	42.5	42.8	12.23	12.18	12.09
Fabricated metal products	395.40	384.80	403.75	42.7	41.6	42.5	9.26	9.25	9.50
Machinery, except electrical	580.31	567.68	561.44	44.4	43.5	44.0	13.07	13.05	12.76
Metalworking machinery	553.26	554.58	574.28	45.8	46.1	47.5	12.08	12.03	12.09
General industrial machinery	460.96	440.91	443.92	43.0	41.4	41.8	10.72	10.65	10.62
Electric and electronic equipment	452.19	447.91	434.82	47.3	47.0	45.2	9.56	9.53	9.62
Electrical industrial apparatus	530.28	535.00	546.70	49.1	49.4	48.9	10.80	10.83	11.18
Transportation equipment	604.82	598.42	598.40	41.2	41.1	41.7	14.68	14.56	14.35
Nondurable Goods[f]	503.65	499.39	485.07	42.9	43.2	42.7	11.74	11.56	11.36
Food and kindred products	364.64	356.83	347.06	42.4	43.2	42.9	8.60	8.26	8.09
Paper and allied products	525.34	521.23	515.16	47.2	47.0	47.7	11.13	11.09	10.80
Printing and publishing	426.02	461.04	431.94	38.8	40.8	39.7	10.98	11.30	10.88
Rubber and misc. plastics products	638.49	621.11	582.39	42.2	42.6	41.1	15.13	14.58	14.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services ..	542.95	548.63	539.74	40.1	40.4	40.4	13.54	13.58	13.36
WHOLESALE TRADE	436.58	431.60	403.81	42.1	41.5	40.3	10.37	10.40	10.02
RETAIL TRADE[h]	163.29	157.34	160.11	28.9	27.7	28.9	5.65	5.68	5.54
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	369.21	368.49	354.90	34.7	34.6	33.8	10.64	10.65	10.50

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1987	November 1987	December 1986
Employment Service Program			
New Applicants	2,812	2,756	3,104
Active File of Job Seekers	18,778	19,290	24,634
Referrals to Jobs	1,563	1,251	1,127
Placements	734	463	573
Job Openings Received	1,028	561	804
Job Openings Unfilled	1,925	2,187	1,127
Unemployment Insurance Program			
Initial Claims	5,318	3,604	6,614
Continued Claims	30,010	21,025	34,280
First Payments	2,033	939	1,779
Last Payments	453	302	408
Weeks Compensated	22,919	15,398	22,950
Benefits Paid	$3,202,788	$2,104,245	$3,182,173
Average Weekly Payment	$142.97	$139.62	$141.56

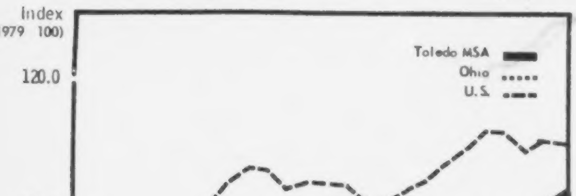
TOLEDO
METROPOLITAN STATISTICAL AREA



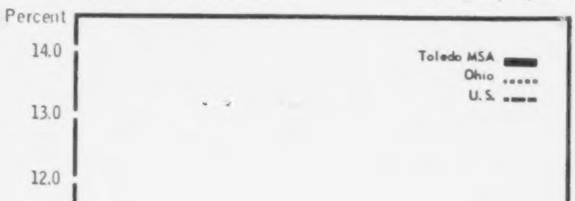
Nonagricultural wage and salary employment in the Toledo area rose 500 jobs over the month, from 293,200 in November to 293,700 in December 1987. Offsetting seasonal patterns in nonmanufacturing were most noteworthy. Retail trade expanded 1,200 over the month, while construction declined 600. Employment in manufacturing also improved, resulting from scattered increases among producers of durable and nondurable goods. Factory production workers earned an average of $12.84 per hour in December, up slightly from November. The average workweek, at 43.3 hours, was up .5 hours.

Nonfarm employment advanced 10,300 from December 1986 to December 1987. All of the improvement occurred in nonmanufacturing industries, especially business and health services, retail trade, construction, and local government. Scattered losses in durable goods more than offset gains in nondurable goods, to lower manufacturing employment 300 during the period.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

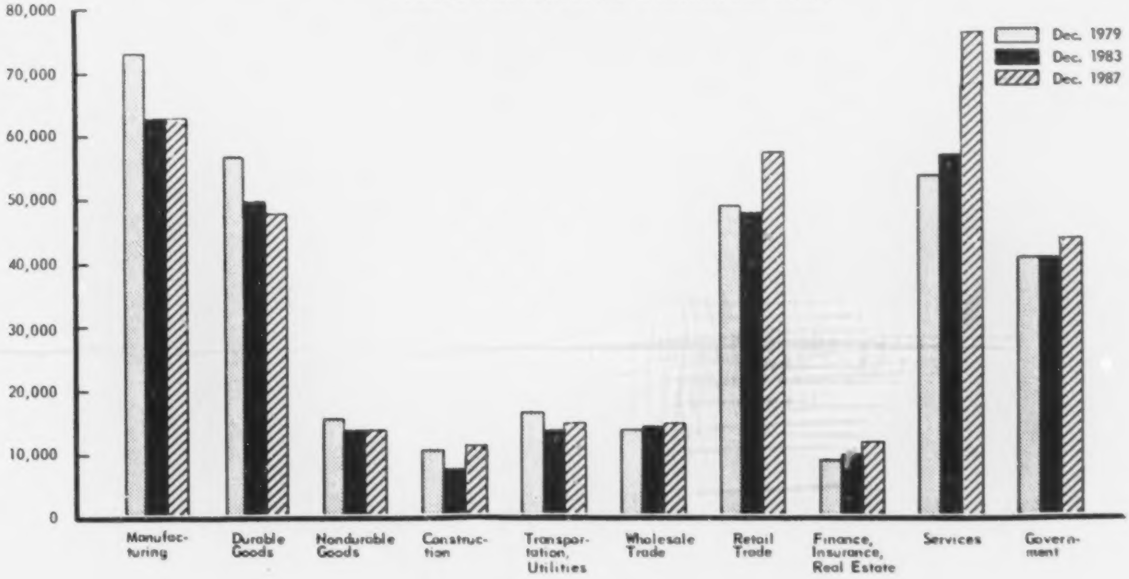


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
307.3	282.9	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
310.9	287.9	23.0	7.4	April	282.7	62.3	44.0	537.21	42.4	12.67
314.0	291.1	22.8	7.3	May	285.6	62.0	43.5	532.55	41.9	12.71
313.7	289.3	24.4	7.8	June	283.8	62.2	43.6	529.19	41.8	12.66
315.4	293.4	22.0	7.0	July	282.3	61.7	43.0	523.27	41.3	12.67
311.9	289.6	22.3	7.1	August	282.9	62.7	44.0	534.66	42.4	12.61
309.4	291.0	18.3	5.9	September	288.7	63.1	44.4	539.33	42.4	12.72
314.2	294.7	19.5	6.2	October	291.0	61.7	43.3	536.78	42.1	12.75
316.5	298.3	18.2	5.7	November	293.1	62.5	44.0	548.27	42.8	12.81
INA	INA	INA	INA	December	293.7	62.7	44.4	555.97	43.3	12.84

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1987[b]	November 1987[c]	December 1986[c]	From Last Month	From Last Year
TOTAL	293.7	293.1	283.4	.5	10.3
MANUFACTURING	62.7	62.5	63.0	.2	- .3
Durable Goods[e]	48.4	48.2	48.8	.2	- .4
Stone, clay, and glass products	8.0	8.1	8.1	.0	.0
Primary metal industries	3.2	3.1	3.2	.1	- .1
Fabricated metal products	7.3	7.3	7.5	.0	- .1
Metal forgings and stampings	3.1	3.0	3.2	.1	- .2
Machinery, except electrical	6.2	6.2	6.1	.0	.1
Electric and electronic equipment	2.7	2.7	3.0	.0	- .3
Transportation equipment	16.2	16.2	16.5	.0	- .3
Motor vehicles and equipment	15.2	15.3	15.5	- .1	- .3
Nondurable Goods[f]	14.3	14.3	14.2	.0	.1
Food and kindred products	3.7	3.6	3.5	.1	.2
Rubber and misc. plastics products	3.3	3.3	3.2	.0	.2
NONMANUFACTURING[g]	230.9	230.6	220.4	.3	10.5
CONSTRUCTION	11.5	12.1	10.1	- .6	1.3
TRANSPORTATION AND PUBLIC UTILITIES	14.9	14.9	14.5	.0	.3
Trucking and warehousing	6.1	6.1	5.8	.0	.3
Communication, electric, gas services	5.1	5.1	5.1	.0	- .1
WHOLESALE TRADE	14.7	14.8	14.4	.0	.4
Wholesale trade-durable goods	9.6	9.7	9.5	.0	.2
RETAIL TRADE	58.3	57.1	56.1	1.2	2.2
General merchandise stores	8.1	7.7	8.2	.3	- .1
FINANCE, INSURANCE, AND REAL ESTATE	11.7	11.7	11.4	.0	.3
Banking	3.6	3.6	3.6	.0	.0
SERVICES	75.9	76.1	70.9	- .2	5.0
Business services	15.5	15.4	13.4	.1	2.1
Health services	30.0	30.0	28.6	.0	1.3
Hospitals	15.4	15.5	15.0	- .1	.4
GOVERNMENT	43.7	43.7	42.8	.0	1.0
State government	16.2	16.5	16.1	- .3	.1
State government education[h]	12.1	12.4	12.2	- .3	- .1
State government, except education	4.1	4.1	4.0	.0	.2
Local government	24.9	24.6	24.0	.2	.9
Local government education	14.7	14.5	14.0	.2	.7
Local government, except education	10.2	10.2	10.0	.0	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

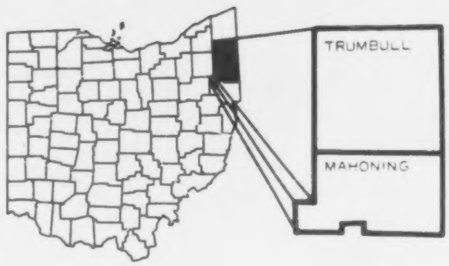
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]
MANUFACTURING	$555.97	$548.27	$538.40	43.3	42.8	42.9	$12.84	$12.81	$12.55
Durable Goods[e]	582.47	575.86	553.83	43.5	43.2	42.8	13.39	13.33	12.94
Stone, clay, and glass products	534.66	534.23	539.65	42.0	41.9	43.0	12.73	12.75	12.55
Primary metal industries	491.63	486.26	512.45	43.7	43.3	44.6	11.25	11.23	11.49
Fabricated metal products	580.44	566.80	539.03	45.1	44.7	43.4	12.87	12.68	12.42
Metal forgings and stampings	774.39	738.24	679.68	49.8	48.0	47.2	15.55	15.38	14.40
Machinery, except electrical	537.56	509.22	473.82	44.5	42.9	41.6	12.08	11.87	11.39
Electric and electronic equipment	477.90	503.42	572.61	40.5	41.4	44.7	11.80	12.16	12.81
Transportation equipment	688.90	680.55	639.20	43.3	43.1	42.5	15.91	15.79	15.04
Motor vehicles and equipment	693.23	684.43	639.82	43.3	43.1	42.4	16.01	15.88	15.09
Nondurable Goods[f]	464.34	452.92	481.68	42.6	41.4	43.2	10.90	10.94	11.15
Food and kindred products	515.91	491.97	624.55	43.1	41.1	47.1	11.97	11.97	13.26
Rubber and misc. plastics products	347.78	341.92	336.61	41.6	40.9	40.9	8.36	8.36	8.23
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services ..	631.73	598.02	634.67	42.8	41.5	43.5	14.76	14.41	14.59
WHOLESALE TRADE	365.18	362.52	352.26	38.4	38.0	38.0	9.51	9.54	9.27
RETAIL TRADE[h]	165.73	160.13	161.37	29.7	28.8	29.5	5.58	5.56	5.47

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1987	November 1987	December 1986
Employment Service Program			
New Applicants	2,084	1,966	2,086
Active File of Job Seekers	16,555	16,256	23,005
Referrals to Jobs	1,094	1,398	853
Placements	492	749	424
Job Openings Received	425	919	551
Job Openings Unfilled	771	1,114	650
Unemployment Insurance Program			
Initial Claims	5,111	3,452	5,910
Continued Claims	25,589	18,410	27,765
First Payments	1,596	771	1,530
Last Payments	359	353	438
Weeks Compensated	17,359	13,178	19,667
Benefits Paid	$2,506,149	$1,875,707	$2,848,080
Average Weekly Payment	$148.55	$146.35	$148.80

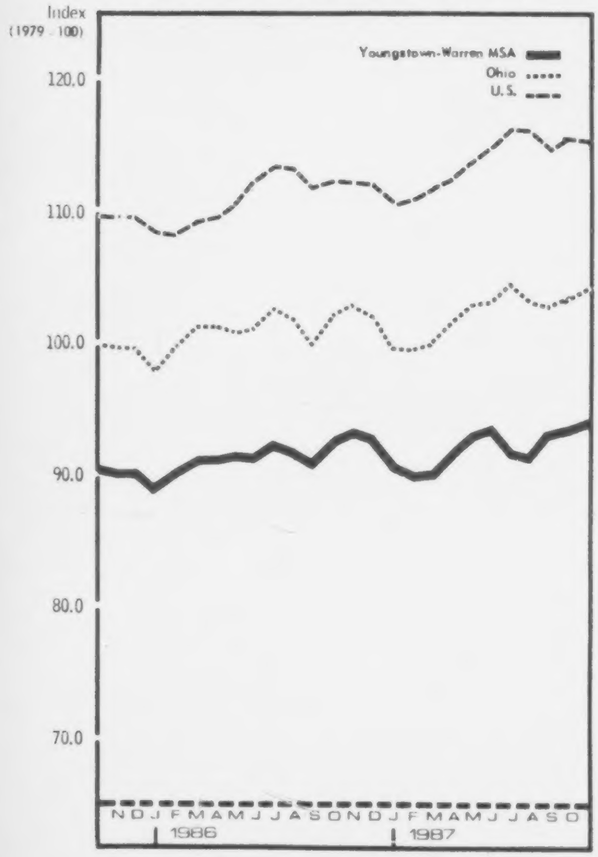
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



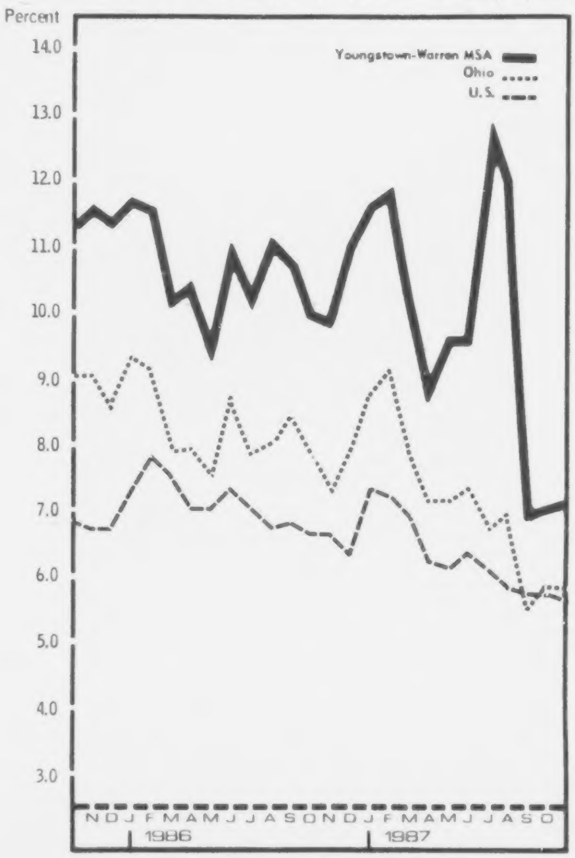
Nonagricultural wage and salary employment in the Youngstown-Warren metropolitan area declined 300, from 195,800 in November to 195,500 in December 1987. In manufacturing, returns following labor disputes and shutdowns in nonelectrical machinery were more than offset by reductions in primary metals and scattered losses in nondurable goods. In nonmanufacturing, seasonal losses in construction were counterbalanced by gains in retail trade. Factory production workers averaged $13.44 per hour in December, up fractionally from November. The average workweek, at 42.0 hours, was .4 hours shorter.

Since December 1986, nonfarm wage and salary employment in the Youngstown-Warren area increased 3,000, with noteworthy improvements in construction, retail trade, services, and wholesale trade. Employment in manufacturing was reduced 1,000. Workforces declined in transportation equipment, nonelectrical machinery, and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

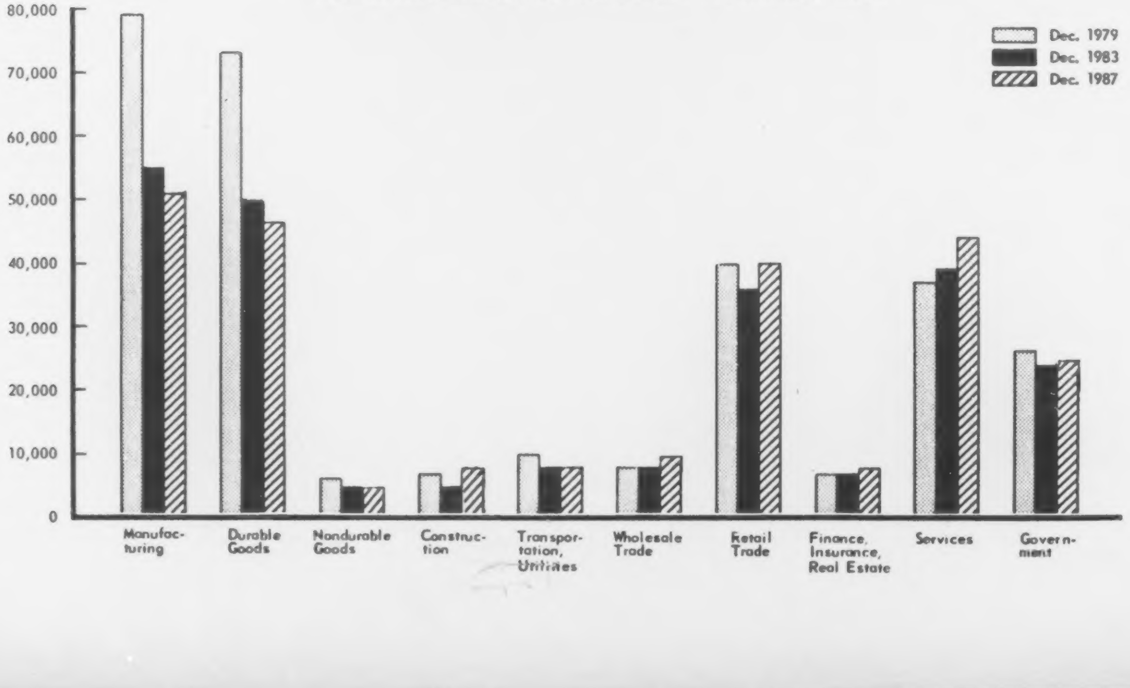


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings Average Weekly Earnings	Hours and Earnings Average Weekly Hours	Hours and Earnings Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.5	198.1	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
221.0	201.7	19.3	8.7	April	191.3	51.6	38.9	571.94	43.1	13.27
225.5	204.0	21.6	9.6	May	193.3	50.9	38.2	565.78	42.7	13.25
227.2	205.5	21.8	9.6	June	194.8	51.1	38.3	566.67	42.8	13.24
231.2	201.4	29.8	12.9	July	187.2	45.5	32.8	541.80	42.0	12.90
228.0	200.7	27.3	12.0	August	189.3	47.7	35.1	548.98	42.1	13.04
219.3	204.3	15.0	6.9	September	195.6	52.3	39.4	581.52	43.3	13.43
221.4	205.9	15.6	7.0	October	195.8	51.7	39.0	566.67	42.8	13.24
222.3	206.5	15.8	7.1	November	195.8	51.6	39.0	566.89	42.4	13.37
INA	INA	INA	INA	December	195.5	51.2	38.8	564.48	42.0	13.44

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1987[b]	November 1987[c]	December 1986[c]	From Last Month	From Last Year
TOTAL	195.5	195.8	192.5	- .3	3.0
MANUFACTURING	51.2	51.6	52.2	- .4	- 1.0
Durable Goods[e]	45.9	46.0	46.8	- .1	- .9
Primary metal industries	19.8	20.3	19.9	- .5	- .1
Blast furnace and basic steel products	6.8	6.8	6.4	.0	.4
Fabricated metal products	7.9	7.8	7.8	.1	.1
Machinery, except electrical	3.4	2.9	3.5	.5	- .2
Electric and electronic equipment	2.2	2.2	2.4	.0	- .2
Transportation equipment	9.5	9.6	10.1	- .1	- .5
Nondurable Goods[f]	5.3	5.6	5.4	- .3	- .1
NONMANUFACTURING[g]	144.3	144.2	140.3	.1	4.0
CONSTRUCTION	8.2	8.8	6.8	- .7	1.3
TRANSPORTATION AND PUBLIC UTILITIES	8.2	8.1	8.2	.1	.0
Communication, electric, gas services	3.1	3.1	3.2	.0	.0
WHOLESALE TRADE	9.6	9.4	9.0	.1	.6
Wholesale trade-durable goods	6.0	5.9	5.8	.1	.2
RETAIL TRADE	39.9	39.3	39.0	.5	.9
General merchandise stores	6.1	5.9	6.3	.2	- .3
FINANCE, INSURANCE, AND REAL ESTATE	8.4	8.4	8.2	.0	.2
Banking	2.8	2.8	2.7	.0	.1
SERVICES	44.3	44.6	43.5	- .3	.8
Health services	20.1	20.1	19.6	.0	.4
Hospitals	10.4	10.4	10.5	.0	- .1
GOVERNMENT	25.2	25.0	25.0	.2	.2
State government	4.3	4.3	4.3	.0	.0
State government education[1]	2.8	2.8	2.8	.0	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.7	18.6	18.6	.1	.1
Local government education	12.3	12.3	12.1	.0	.2
Local government, except education	6.4	6.3	6.6	.1	- .1

Youngstown - Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]	Dec. 1987[b]	Nov. 1987[c]	Dec. 1986[c]
MANUFACTURING	$564.48	$566.89	$579.58	42.0	42.4	42.9	$13.44	$13.37	$13.51
Durable Goods[e]	577.19	581.40	597.80	42.1	42.5	43.1	13.71	13.68	13.87
Primary metal industries	615.72	632.10	609.00	42.0	43.0	42.0	14.66	14.70	14.50
Blast furnace and basic steel products	622.89	625.63	704.15	45.4	45.6	45.4	13.72	13.72	15.51
Fabricated metal products	530.35	520.76	583.71	40.3	40.4	42.7	13.16	12.89	13.67
Machinery, except electrical	474.35	468.94	488.45	41.5	42.4	42.4	11.43	11.06	11.52
Electric and electronic equipment	474.30	468.99	412.54	42.5	42.1	38.7	11.16	11.14	10.66
Transportation equipment	642.93	634.51	721.62	43.5	43.4	47.6	14.78	14.62	15.16
Nondurable Goods[f]	426.13	417.36	386.16	40.7	41.2	40.1	10.47	10.13	9.63
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	543.36	540.48	544.45	40.1	39.8	40.6	13.55	13.58	13.41
WHOLESALE TRADE	344.81	354.11	332.64	38.1	38.7	37.8	9.05	9.15	8.80
RETAIL TRADE[h]	177.01	170.21	175.41	29.9	28.8	30.4	5.92	5.91	5.77

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1987	November 1987	December 1986
Employment Service Program			
New Applicants	1,674	2,037	1,928
Active File of Job Seekers	15,180	16,160	28,846
Referrals to Jobs	1,208	2,017	903
Placements	581	526	283
Job Openings Received	699	630	352
Job Openings Unfilled	426	516	432
Unemployment Insurance Program			
Initial Claims	5,632	3,387	12,045
Continued Claims	24,177	15,679	35,271
First Payments	1,819	1,007	2,740
Last Payments	263	238	324
Weeks Compensated	18,691	12,305	24,123
Benefits Paid	$2,603,000	$1,673,863	$3,301,507
Average Weekly Payment	$143.37	$140.02	$147.49

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	December 1987	November 1987	December 1986
New Applicants	36,467	36,556	41,715
Active File of Job Seekers	261,242	265,373	366,344
Counseling Interviews	1,235	1,404	1,696
Tests Administered	5,346	3,997	2,985
General Aptitude Tests	375	249	297
Proficiency Tests	358	533	387
Specific Aptitude Tests	1,377	905	354
Referrals to Jobs	18,817	23,091	15,830
Placements	5,980	6,278	4,861
Job Openings Received	8,930	9,563	7,434
Job Openings Unfilled	15,534	19,860	16,358

Selected Unemployment Insurance Activities

	December 1987	November 1987	December 1986
Initial Claims	88,767	61,159	109,051
Continued Claims	489,154	338,808	566,783
First Payments	30,107	17,200	32,342
Last Payments	5,944	5,116	7,206
Average Weekly Claimants	95,067	78,953	116,865
Average Weekly Benefit Recipients	75,329	60,905	90,801
Weeks Compensated	359,573	243,621	397,908
Benefits Paid	$53,088,604	$35,738,411	$58,128,167
Average Weekly Payment	$151.41	$150.54	$150.68
Continued Claims for Survey Week	96,366	80,928	116,843
Insured Unemployment Rate	2.2	1.9	2.8
Net Contributions	$6,715,484	$217,564,425	$4,932,037
Active Employer Accounts	197,855	198,160	193,872

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Ohio
Labor
Market
Information

Labor Market Review

January 1988

Summary. Ohio's seasonally adjusted unemployment rate increased from 6.2 percent in December to 6.5 percent in January. The national rate declined slightly, from 5.8 percent in December to 5.7 percent in January. Total employment in Ohio rose 46,000 workers to 4,983,000, a new all-time high. The number of unemployed Ohioans, at 347,000, was up 20,000 from December. Nonfarm wage and salary employment (seasonally adjusted) in Ohio advanced 17,000 from December, to 4,656,000 in January. (See page3.)

Factory Employment. Manufacturing employment in Ohio rose 3,000 from December, to 1,106,000 in January. Nondurable-goods employment, at 366,000, was up 2,000, while durable-goods employment increased 1,000, to 739,000.

Nonmanufacturing. Employment in Ohio's nonmanufacturing industries totaled 3,550,000 in January, up 14,000 from December. Construction and retail trade had the largest gains, 6,000 and 5,000, respectively. Employment in services increased 2,000. All other divisions had slight advances or were unchanged, except government, which fell 1,000.

Over the Year. From January 1987 to January 1988, total employment in Ohio rose 134,000. There were 80,000 fewer unemployed workers, which lowered the unemployment rate from 8.1 percent to 6.5 percent. During the same period, the U.S. unemployment rate declined from 6.7 percent to 5.7 percent. Nonagricultural payroll employment increased 124,000 from January 1987. Employment in services was up 45,000, while retail trade added 28,000 jobs. Construction gained 18,000; finance, insurance, and real estate, 9,000; and wholesale trade, 8,000. All other nonmanufacturing divisions were up slightly, except mining, which declined 2,000. Manufacturing employment rose 9,000 from January 1987. Nondurable-goods employment increased 10,000, while employment in durable-goods industries was down 1,000.

Factory Hours and Earnings. Factory production workers in Ohio's manufacturing divisions earned an average of $507.61 per week in January, down $5.06 from December. Their average workweek of 42.8 hours was .5 hours shorter. Most industries had lower earnings due to reduced overtime, although iron and steel foundries, blast furnace and basic steel products, electrical industrial apparatus, and tires and inner tubes had notably higher earnings. The most significant decreases were in metal forgings and stampings, metalworking machinery, motor vehicles and equipment, and preserved fruits and vegetables.

Benefits and Costs. There were 87,845 initial claims filed under the Ohio Unemployment Compensation Law in January, down 1.0 percent from December, and down 16.5 percent from January 1987. Total benefits paid, at $67.3 million, were up 26.7 percent from December. The average benefit check increased $2.07, to $153.48. The average weekly number of benefit

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Grace Kilbane, Acting Administrator

recipients rose 34.9 percent, to 101,583. At the end of January, there were 198,003 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services received 40,602 new job applicants in January, up 11.3 percent from December, but down 16.2 percent from January 1987. The number of job openings fell 5.9 percent, to 8,399. The Employment Services Division made 20,091 job referrals and 3,603 placements.

Revisions

The Civilian Labor Force series has been revised by the U.S. Bureau of Labor Statistics to reflect adjusted population estimates from the Bureau of the Census.

The Nonagricultural Wage and Salary Employment for 1986 and 1987 have been revised to the 1987 benchmark, a complete count of employment by industry.

1988 Seasonal Adjustment Factors

Month	Manufacturing Durable Goods	Manufacturing Nondurable Goods	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, and Real Estate	Services	Government
January	0.992	0.989	0.987	0.856	0.978	0.990	0.979	0.990	0.975	1.006
February	0.993	0.988	0.970	0.826	0.977	0.989	0.964	0.990	0.979	1.017
March	0.996	0.989	0.968	0.860	0.982	0.992	0.969	0.991	0.984	1.022
April	1.001	0.993	0.977	0.938	0.993	0.998	0.988	0.995	1.001	1.019
May	1.003	0.997	0.990	1.007	1.002	1.003	1.002	0.999	1.009	1.025
June	1.007	1.004	1.010	1.050	1.009	1.008	1.008	1.009	1.016	0.999
July	1.001	1.002	1.022	1.093	1.008	1.006	1.007	1.013	1.013	0.942
August	0.999	1.010	1.015	1.111	1.009	1.005	1.010	1.011	1.011	0.932
September	1.007	1.017	1.019	1.104	1.010	1.002	1.011	1.004	1.013	0.980
October	1.001	1.006	1.015	1.106	1.013	1.004	1.009	1.000	1.006	1.013
November	1.003	1.003	1.018	1.059	1.010	1.002	1.020	0.999	0.999	1.022
December	1.000	1.002	1.009	0.991	1.009	1.001	1.034	0.999	0.993	1.023

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jan. 1988	Dec. 1987	Jan. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,330	5,264	5,276	66	54	1.3	1.0
Employment	4,983	4,937	4,849	46	134	0.9	2.8
Unemployment	347	327	427	20	-80	6.1	-18.7
Unemployment Rate	6.5	6.2	8.1				
Employer Survey Data[e]							
Total	4,656	4,639	4,532	17	124	0.4	2.7
Manufacturing	1,106	1,103	1,096	3	9	0.3	0.8
Durable Goods	739	739	740	1	-1	0.1	-0.1
Nondurable Goods	366	364	356	2	10	0.6	2.8
Nonmanufacturing	3,550	3,536	3,436	14	115	0.4	3.3
Mining	20	20	22	0	-2	-1.0	-7.0
Construction	191	185	173	6	18	3.3	10.5
Transportation and Public Utilities	208	208	206	0	1	-0.1	0.7
Wholesale Trade	253	253	245	1	8	0.3	3.5
Retail Trade	864	859	836	5	28	0.6	3.3
Finance, Insurance, and Real Estate	248	247	239	1	9	0.5	3.9
Services	1,075	1,072	1,029	2	45	0.2	4.4
Government	692	693	686	-1	5	-0.2	0.8
Goods Producing Industries[f]	1,316	1,308	1,291	9	26	0.7	2.0
Service Producing Industries[g]	3,339	3,331	3,241	8	98	0.2	3.0

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
					1986				
5,205	4,752	453	8.7	6.8	January	4,433	1,124	766	358
5,313	4,864	449	8.5	7.2	February	4,435	1,120	763	357
5,305	4,900	405	7.6	7.2	March	4,437	1,117	760	356
5,243	4,816	427	8.1	7.1	April	4,458	1,117	760	357
5,180	4,773	407	7.9	7.2	May	4,463	1,112	755	356
5,197	4,746	451	8.7	7.1	June	4,464	1,112	755	357
5,200	4,777	423	8.1	7.0	July	4,472	1,108	751	357
5,194	4,773	421	8.1	6.8	August	4,481	1,107	750	357
5,174	4,737	437	8.4	7.0	September	4,484	1,098	742	356
5,230	4,813	417	8.0	6.9	October	4,495	1,098	740	358
5,265	4,868	397	7.5	6.9	November	4,509	1,102	744	358
5,275	4,854	421	8.0	6.7	December	4,521	1,103	745	357
					1987				
5,276	4,849	427	8.1	6.7	January	4,532	1,096	740	356
5,295	4,850	445	8.4	6.6	February	4,549	1,099	742	357
5,237	4,838	399	7.6	6.5	March	4,552	1,093	737	356
5,236	4,854	382	7.3	6.3	April	4,552	1,096	738	357
5,277	4,884	393	7.4	6.3	May	4,560	1,094	736	357
5,251	4,874	377	7.2	6.1	June	4,568	1,092	735	357
5,252	4,886	366	7.0	6.0	July	4,567	1,082	725	358
5,234	4,873	361	6.9	6.0	August	4,589	1,095	734	360
5,181	4,891	290	5.6	5.9	September	4,597	1,097	737	360
5,215	4,900	315	6.0	6.0	October	4,610	1,097	736	361
5,263	4,945	318	6.0	5.9	November	4,626	1,100	738	362
5,264	4,937	327	6.2	5.8	December	4,639	1,103	739	364
					1988				
5,330	4,983	347	6.5	5.7	January	4,656	1,106	739	366

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1986				
3,310	25	157	203	245	January	806	225	974	675
3,314	25	156	202	245	February	808	226	977	676
3,320	24	156	202	244	March	810	227	981	676
3,342	23	161	203	244	April	813	229	990	677
3,351	23	161	203	244	May	815	231	996	679
3,352	22	160	198	244	June	818	232	998	679
3,364	22	160	204	244	July	820	233	1006	676
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	692

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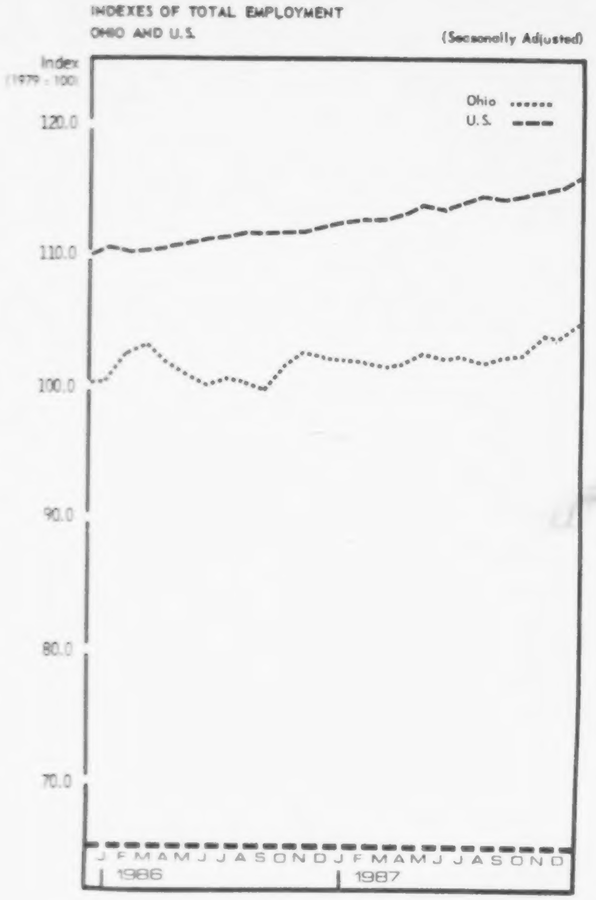
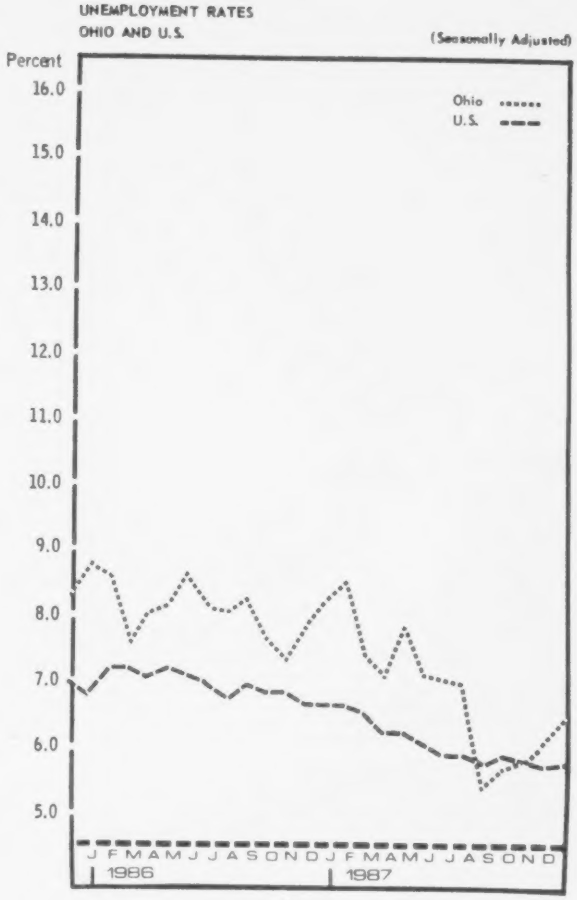
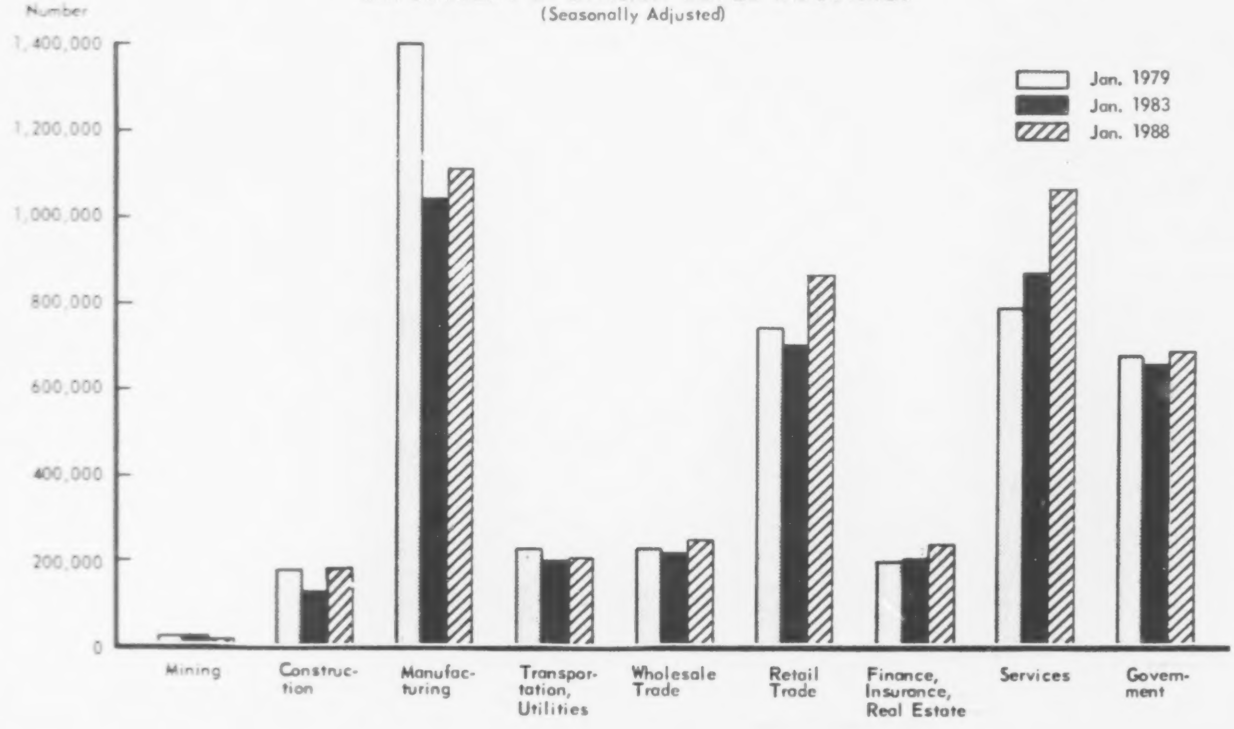
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.





EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,135	4,680	455	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.5
5,231	4,806	425	8.1	7.0	1986	4,471.4	1,109.8	752.7	357.1
5,248	4,881	367	7.0	6.2	1987	4,578.9	1,095.3	736.4	358.9
					1987				
5,200	4,748	452	8.7	7.3	January	4,447.6	1,086.5	734.3	352.2
5,211	4,738	473	9.1	7.2	February	4,457.9	1,088.3	736.1	352.2
5,161	4,756	406	7.9	6.9	March	4,485.0	1,086.6	733.8	352.7
5,215	4,847	368	7.1	6.2	April	4,539.2	1,093.1	738.4	354.6
5,275	4,903	372	7.1	6.1	May	4,591.6	1,094.9	738.7	356.2
5,307	4,922	385	7.3	6.3	June	4,611.6	1,097.6	739.1	358.5
5,341	4,982	359	6.7	6.1	July	4,572.3	1,084.3	725.5	358.8
5,289	4,924	365	6.9	5.8	August	4,591.0	1,097.5	733.6	363.9
5,190	4,903	288	5.5	5.7	September	4,641.3	1,108.3	742.1	366.2
5,243	4,940	302	5.8	5.7	October	4,658.8	1,099.8	736.4	363.4
5,285	4,980	305	5.8	5.6	November	4,674.2	1,103.7	740.2	363.6
5,259	4,937	322	6.1	5.4	December	4,676.9	1,102.9	738.6	364.3
					1988				
5,258	4,883	375	7.1	6.3	January	4,567.6	1,095.6	733.5	362.1

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
					1987				
3,361.1	21.4	147.5	201.7	242.4	January	818.5	236.6	1,003.5	689.5
3,369.6	21.1	143.9	201.7	243.0	February	811.7	237.5	1,013.5	697.2
3,398.4	20.7	150.4	202.5	244.1	March	818.6	238.5	1,021.8	701.9
3,446.2	20.7	162.2	204.8	246.2	April	830.8	240.0	1,041.3	700.2
3,496.7	20.7	175.4	207.0	248.2	May	845.8	241.8	1,053.7	704.2
3,514.0	21.1	184.4	208.5	250.4	June	851.5	244.7	1,065.9	687.5
3,488.0	21.1	192.7	208.6	250.6	July	852.8	246.8	1,068.2	647.1
3,493.5	21.1	196.8	209.1	251.1	August	858.1	247.2	1,068.6	641.4
3,533.0	21.4	196.4	209.3	251.2	September	861.1	246.1	1,074.7	672.7
3,559.0	20.7	198.6	210.0	252.4	October	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	November	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
					1988				
3,472.0	19.9	163.2	203.0	250.8	January	845.8	245.7	1,047.8	695.7

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio[a]

Manufacturing Employment
(in thousands)

Production Workers in Manufacturing

Manufacturing				Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
	Durable Goods	Nondurable Goods				
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,086.5	734.3	352.2	January	739.7	371.8	31.6
1,088.3	736.1	352.2	February	741.9	370.2	31.5
1,086.6	733.8	352.7	March	741.0	369.4	31.5
1,093.1	738.4	354.6	April	746.8	368.2	31.4
1,094.9	738.7	356.2	May	747.3	371.9	31.8
1,097.6	739.1	358.5	June	748.3	373.0	31.9
1,084.3	725.5	358.8	July	735.3	356.7	30.8
1,097.5	733.6	363.9	August	749.2	368.9	31.7
1,108.3	742.1	366.2	September	760.8	380.5	32.4
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,095.6	733.5	362.1	January	751.2	381.3	32.2

Production Workers
Average Weekly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
283.08	292.02	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
			1987
502.58	524.96	449.53	January
499.05	520.88	446.71	February
498.53	519.95	448.86	March
492.99	514.25	443.72	April
497.68	517.45	450.78	May
498.42	517.37	453.95	June
485.20	501.76	450.02	July
492.37	510.00	453.36	August
500.12	516.67	461.92	September
504.50	524.02	461.07	October
511.49	531.57	466.90	November
512.67	532.36	469.27	December
			1988
507.61	527.11	465.72	January

Production Workers
Average Weekly Hours

Manufacturing			
	Durable Goods	Nondurable Goods	
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
			1987
42.7	43.1	41.7	January
42.4	42.8	41.4	February
42.5	42.9	41.6	March
42.1	42.5	41.2	April
42.5	42.8	41.7	May
42.6	42.9	41.8	June
41.9	42.2	41.4	July
42.3	42.5	41.9	August
42.6	42.7	42.3	September
42.9	43.2	42.3	October
43.2	43.5	42.6	November
43.3	43.6	42.7	December
			1988
42.8	43.1	42.3	January

Production Workers
Average Hourly Earnings

	Manufacturing		
		Durable Goods	Nondurable Goods
1977	6.74	6.92	6.24
1978	7.29	7.49	6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1987	11.73	12.11	10.86
1987			
January	11.77	12.18	10.78
February	11.77	12.17	10.79
March	11.73	12.12	10.79
April	11.71	12.10	10.77
May	11.71	12.09	10.81
June	11.70	12.06	10.86
July	11.58	11.89	10.87
August	11.64	12.00	10.82
September	11.74	12.10	10.92
October	11.76	12.13	10.90
November	11.84	12.22	10.96
December	11.84	12.21	10.99
1988			
January	11.86	12.23	11.01

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[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

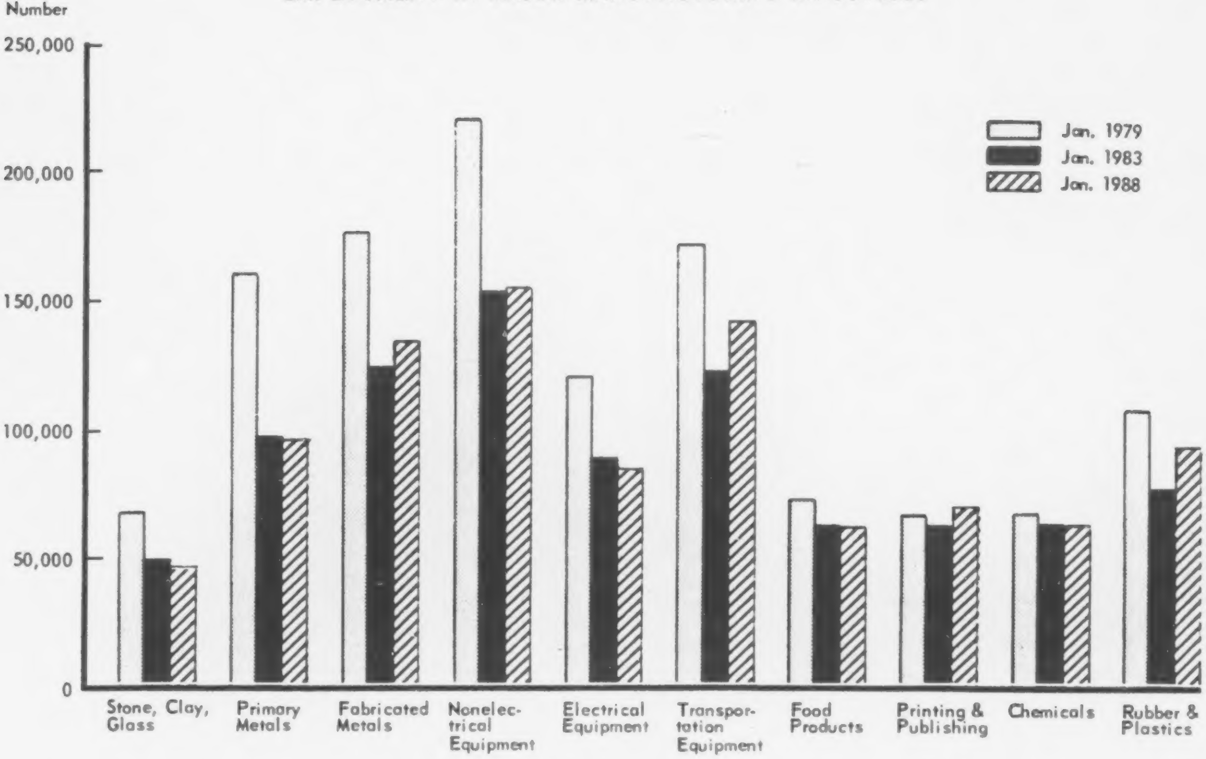
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
47.1	92.4	132.8	January	154.6	88.1	151.1	January	61.8	68.8	92.7
46.9	93.7	132.4	February	153.8	87.7	153.3	February	61.3	68.9	92.5
47.3	94.8	132.7	March	153.7	86.8	149.2	March	61.7	68.8	92.2
47.7	94.8	133.0	April	154.3	86.0	152.6	April	61.8	69.5	92.1
48.1	94.3	133.2	May	155.0	85.9	151.8	May	62.2	69.7	92.1
48.7	95.0	134.4	June	155.7	85.8	148.5	June	62.9	69.8	92.5
48.1	93.5	131.6	July	153.4	85.9	142.1	July	63.4	70.6	91.6
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.2	133.9	January	154.7	86.0	143.3	January	63.0	71.2	94.4

Average Weekly Earnings of Production Workers

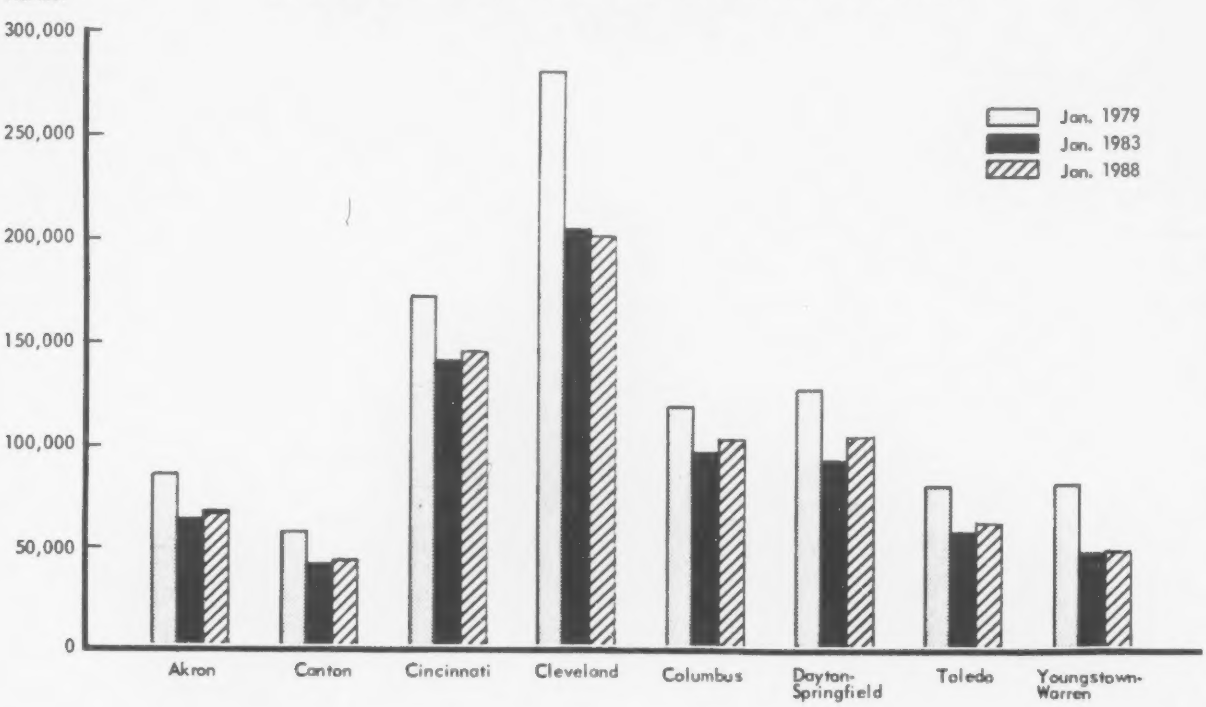
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
441.31	593.61	515.91	January	498.53	473.61	647.91	January	438.46	416.96	443.59
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
446.42	620.58	505.68	January	503.53	478.93	648.68	January	455.18	439.82	449.71

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	4567.6	4676.9	4447.6	-109.2	120.0
MANUFACTURING	1095.6	1102.9	1086.5	-7.3	9.2
Durable Goods[e]	733.5	738.6	734.3	-5.1	-.7
Lumber and wood products	19.5	20.0	17.8	-.5	1.8
Furniture and fixtures	14.4	14.5	14.1	-.2	.3
Stone, clay, and glass products	46.8	48.1	47.1	-1.4	-.3
Glass and glassware, pressed or blown.	9.4	9.6	10.5	-.3	-1.1
Primary metal industries	97.2	98.0	92.4	-.7	4.8
Blast furnace and basic steel products	44.6	44.4	41.0	.2	3.5
Iron and steel foundries	20.5	21.1	19.5	-.5	1.1
Nonferrous rolling and drawing	16.7	17.1	16.8	-.4	.0
Fabricated metal products	133.9	134.8	132.8	-.9	1.1
Cutlery, hand tools, and hardware	9.8	9.9	9.7	-.1	.2
Fabricated structural metal products	29.2	29.2	28.4	.0	.8
Metal forgings and stampings	42.3	42.6	42.9	-.3	-.5
Machinery, except electrical	154.7	155.1	154.6	-.4	.1
Construction and related machinery	12.5	12.4	12.5	.1	.0
Metalworking machinery	39.6	39.8	40.3	-.2	-.7
Special industry machinery	16.3	16.6	16.1	-.3	.2
General industrial machinery	27.5	27.8	28.0	-.3	-.5
Office and computing machines	13.8	13.7	13.4	.1	.4
Refrigeration and service machinery	15.6	15.6	16.2	.0	-.6
Electric and electronic equipment	86.0	86.3	88.1	-.3	-2.1
Electrical industrial apparatus	16.1	16.1	16.0	.0	.1
Household appliances	15.6	15.9	17.2	-.3	-1.6
Electric lighting and wiring equipment	17.2	17.1	17.5	.2	-.3
Communication equipment	10.0	10.1	10.5	-.1	-.5
Transportation equipment	143.3	144.2	151.1	-1.0	-7.8
Motor vehicles and equipment	93.2	94.0	94.8	-.8	-1.6
Aircraft and parts	40.8	40.7	47.0	.1	-6.2
Instruments and related products	23.6	23.6	22.8	.1	.8
Measuring and controlling devices	13.1	13.1	12.6	.0	.5
Nondurable Goods[f]	362.1	364.3	352.2	-2.2	9.9
Food and kindred products	63.0	63.8	61.8	-.7	1.2
Meat products	9.6	9.7	9.5	-.1	.0
Dairy products	10.7	10.7	9.9	.1	.8
Preserved fruits and vegetables	10.6	10.8	10.6	-.2	.0
Bakery products	8.9	9.0	8.7	-.1	.2
Beverages	9.3	9.4	9.4	-.1	-.1
Apparel and other textile products	16.2	16.2	15.4	.0	.8
Paper and allied products	37.6	38.0	36.4	-.4	1.2
Misc. converted paper products	12.1	12.3	11.8	-.2	.3
Paperboard containers and boxes	13.3	13.2	12.3	.1	.9
Printing and publishing	71.2	71.7	68.8	-.5	2.5
Newspapers	19.4	19.8	19.3	-.4	.1
Commercial printing	26.3	26.5	25.6	-.2	.7
Chemicals and allied products	63.1	63.4	61.1	-.3	2.1
Industrial inorganic chemicals	9.4	9.4	9.3	.0	.1
Rubber and misc. plastics products	94.4	94.5	92.7	-.2	1.6
Tires and inner tubes	16.9	16.8	17.9	.0	-1.0
Miscellaneous plastics products	56.6	56.9	54.5	-.3	2.1

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3472.0	3573.9	3361.1	- 101.9	110.9
MINING	19.9	20.5	21.4	- .6	- 1.5
Bituminous coal and lignite mining	8.6	8.7	9.7	- .1	- 1.0
Oil and gas extraction	7.0	7.0	7.5	.0	- .5
CONSTRUCTION	163.2	182.9	147.5	- 19.7	15.7
General building contractors	42.5	46.1	39.2	- 3.6	3.2
Heavy construction contractors	17.5	22.2	15.1	- 4.7	2.4
Highway and street construction	6.3	8.9	4.9	- 2.6	1.5
Special trade contractors	103.2	114.6	93.1	- 11.4	10.1
TRANSPORTATION AND PUBLIC UTILITIES	203.0	209.6	201.7	- 6.6	1.3
Railroad transportation	12.8	13.3	13.8	- .5	- 1.1
Transportation, except railroads	101.5	107.0	98.0	- 5.5	3.6
Trucking and warehousing	70.7	75.2	68.7	- 4.5	2.0
Communication, electric, gas services	88.7	89.3	89.9	- .6	- 1.2
Communication	47.5	47.6	48.3	- .1	- .8
Electric, gas, and sanitary services	41.2	41.8	41.6	- .5	- .4
WHOLESALE TRADE	250.8	252.8	242.4	- 2.0	8.4
Wholesale trade-durable goods	157.8	158.9	152.3	- 1.1	5.4
Motor vehicles & automotive equipment	21.9	22.0	21.3	- .1	.6
Electrical goods	19.6	19.8	19.2	- .2	.4
Machinery, equipment, and supplies	67.6	67.7	65.8	- .1	1.9
Wholesale trade-nondurable goods	93.0	93.9	90.1	- .8	3.0
Groceries and related products	29.2	29.6	28.3	- .4	.9
RETAIL TRADE	845.8	887.8	818.5	- 42.0	27.3
General merchandise stores	121.6	134.9	120.1	- 13.3	1.5
Department stores	106.3	118.1	105.6	- 11.8	.7
Food stores	131.3	135.2	128.2	- 3.8	3.2
Automotive dealers & service stations	93.3	93.7	90.3	- .3	3.0
Apparel and accessory stores	43.4	46.7	41.4	- 3.2	2.0
Eating and drinking places	288.2	300.2	280.1	- 12.0	8.1
FINANCE, INSURANCE, AND REAL ESTATE	245.7	246.7	236.6	- 1.0	9.1
Banking	63.7	63.6	62.3	.1	1.4
Credit agencies other than banks	37.7	37.8	36.4	- .1	1.2
Insurance carriers	68.5	68.8	66.7	- .4	1.7
Life insurance	25.6	25.9	25.7	- .3	- .1
Fire, marine, and casualty insurance	30.2	30.5	29.1	- .3	1.1
SERVICES	1047.8	1064.7	1003.5	- 16.9	44.3
Hotels and other lodging places	32.7	33.9	31.8	- 1.2	.9
Personal services	58.7	57.3	56.4	1.3	2.2
Laundry, cleaning, & garment services	18.7	19.2	18.2	- .5	.6
Business services	211.0	216.7	198.9	- 5.7	12.1
Services to buildings	29.7	30.1	28.3	- .4	1.4
Computer and data processing services	19.8	19.5	18.7	.3	1.2
Amusement and recreation services	28.7	33.8	28.1	- 5.1	.6
Health services	365.4	365.8	351.8	- .4	13.6
Nursing and personal care facilities	80.6	80.8	77.3	- .2	3.3
Hospitals	178.3	178.4	173.4	- .1	4.9
Educational services	62.0	63.8	61.6	- 1.8	.4
Colleges and universities	32.9	34.4	33.7	- 1.5	- .8
GOVERNMENT	695.7	708.9	689.5	- 13.2	6.2
Federal government	95.2	95.9	94.3	- .7	.9
State government	156.8	162.0	153.5	- 5.2	3.3
State government education[1]	83.0	88.7	80.5	- 5.7	2.5
State government, except education	73.8	73.3	73.0	.5	.7
Local government	443.7	451.0	441.7	- 7.3	2.0
Local government education	261.4	267.2	260.2	- 5.7	1.2
Local government, except education	182.3	183.9	181.5	- 1.6	.8

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$507.61	$512.67	$502.58	42.8	43.3	42.7	$11.86	$11.84	$11.77
Durable Goods[e]	527.11	532.36	524.96	43.1	43.6	43.1	12.23	12.21	12.18
Lumber and wood products	288.80	300.03	286.72	39.4	41.1	40.1	7.33	7.30	7.15
Furniture and fixtures	362.30	373.75	349.61	40.8	41.9	40.7	8.88	8.92	8.59
Stone, clay, and glass products	446.42	451.76	441.31	41.8	42.3	40.9	10.68	10.68	10.79
Glass and glassware, pressed or blown	467.53	460.12	466.22	40.2	39.7	40.4	11.63	11.59	11.54
Primary metal industries	620.58	611.52	593.61	45.1	44.8	44.2	13.76	13.65	13.43
Blast furnace and basic steel products	654.22	648.17	615.03	46.3	46.1	44.6	14.13	14.06	13.79
Iron and steel foundries	655.34	614.68	635.21	45.7	44.0	45.6	14.34	13.97	13.93
Nonferrous rolling and drawing	610.63	606.11	582.83	42.2	41.6	41.9	14.47	14.57	13.91
Fabricated metal products	505.68	514.65	515.91	43.0	43.8	43.1	11.76	11.75	11.97
Cutlery, hand tools, and hardware	475.57	494.36	472.02	40.2	41.3	39.9	11.83	11.97	11.83
Fabricated structural metal products	473.90	480.90	441.42	43.2	44.2	42.0	10.97	10.88	10.51
Metal forgings and stampings	596.31	618.55	673.35	42.9	44.5	45.9	13.90	13.90	14.67
Machinery, except electrical	503.53	520.68	498.53	43.0	44.2	42.5	11.71	11.78	11.73
Construction and related machinery	425.52	434.52	414.10	41.8	42.6	41.0	10.18	10.20	10.10
Metalworking machinery	497.48	519.38	468.00	43.6	45.4	42.2	11.41	11.44	11.09
Special industry machinery	499.76	513.88	460.22	43.8	44.3	41.8	11.41	11.60	11.01
General industrial machinery	520.02	535.76	507.95	42.8	43.7	42.4	12.15	12.26	11.98
Office and computing machines	424.42	456.62	383.51	42.4	45.3	40.2	10.01	10.08	9.54
Refrigeration and service machinery	566.82	557.53	611.59	42.3	41.7	43.1	13.40	13.37	14.19
Electric and electronic equipment	478.93	476.27	473.61	42.8	42.6	42.4	11.19	11.18	11.17
Electrical industrial apparatus	489.95	472.81	453.84	44.5	43.1	42.1	11.01	10.97	10.78
Household appliances	498.83	485.62	506.11	41.5	40.3	43.0	12.02	12.05	11.77
Electric lighting and wiring equipment	486.69	484.70	501.17	43.3	43.2	42.4	11.24	11.22	11.82
Communication equipment	485.28	488.22	459.82	41.3	41.8	40.3	11.75	11.68	11.41
Transportation equipment	648.68	656.37	647.91	43.8	44.2	44.9	14.81	14.85	14.43
Motor vehicles and equipment	667.51	672.53	677.24	43.8	44.1	45.3	15.24	15.25	14.95
Aircraft and parts	628.34	639.86	586.09	45.4	46.0	44.2	13.84	13.91	13.26
Instruments and related products	361.43	376.18	375.15	39.5	40.8	41.0	9.15	9.22	9.15
Measuring and controlling devices	352.36	355.89	374.46	38.3	38.6	39.5	9.20	9.22	9.48
Nondurable Goods[f]	465.72	469.27	449.53	42.3	42.7	41.7	11.01	10.99	10.78
Food and kindred products	455.18	455.80	438.46	42.7	43.0	42.2	10.66	10.60	10.39
Meat products	388.32	387.61	384.09	41.8	41.5	41.3	9.29	9.34	9.30
Dairy products	478.95	480.91	458.77	43.7	43.6	42.4	10.96	11.03	10.82
Preserved fruits and vegetables	439.11	480.26	457.68	41.0	43.7	43.3	10.71	10.99	10.57
Bakery products	474.73	469.54	457.85	40.3	40.2	38.9	11.78	11.68	11.77
Beverages	424.44	431.96	392.80	40.5	41.1	40.0	10.48	10.51	9.82
Apparel and other textile products	299.12	307.53	273.80	39.1	40.2	37.0	7.65	7.65	7.40
Paper and allied products	499.74	490.60	503.10	44.5	44.0	45.0	11.23	11.15	11.18
Misc. converted paper products	443.39	440.22	485.10	43.3	43.5	46.2	10.24	10.12	10.50
Paperboard containers and boxes	442.98	428.28	428.13	43.6	42.7	42.6	10.16	10.03	10.05
Printing and publishing	439.82	450.64	416.96	39.2	40.2	38.5	11.22	11.21	10.83
Newspapers	357.65	364.23	343.40	33.9	34.2	33.7	10.55	10.65	10.19
Commercial printing	440.88	451.61	408.72	40.3	41.7	39.3	10.94	10.83	10.40
Chemicals and allied products	553.40	565.87	523.75	42.8	43.9	41.9	12.93	12.89	12.50
Industrial inorganic chemicals	597.96	624.72	550.33	44.0	45.5	41.1	13.59	13.73	13.39
Rubber and misc. plastics products	449.71	451.44	443.59	43.2	43.2	42.9	10.41	10.45	10.34
Tires and inner tubes	686.80	651.32	646.81	47.3	45.9	46.6	14.52	14.19	13.88
Miscellaneous plastics products	427.70	432.98	428.71	42.6	42.7	42.7	10.04	10.14	10.04

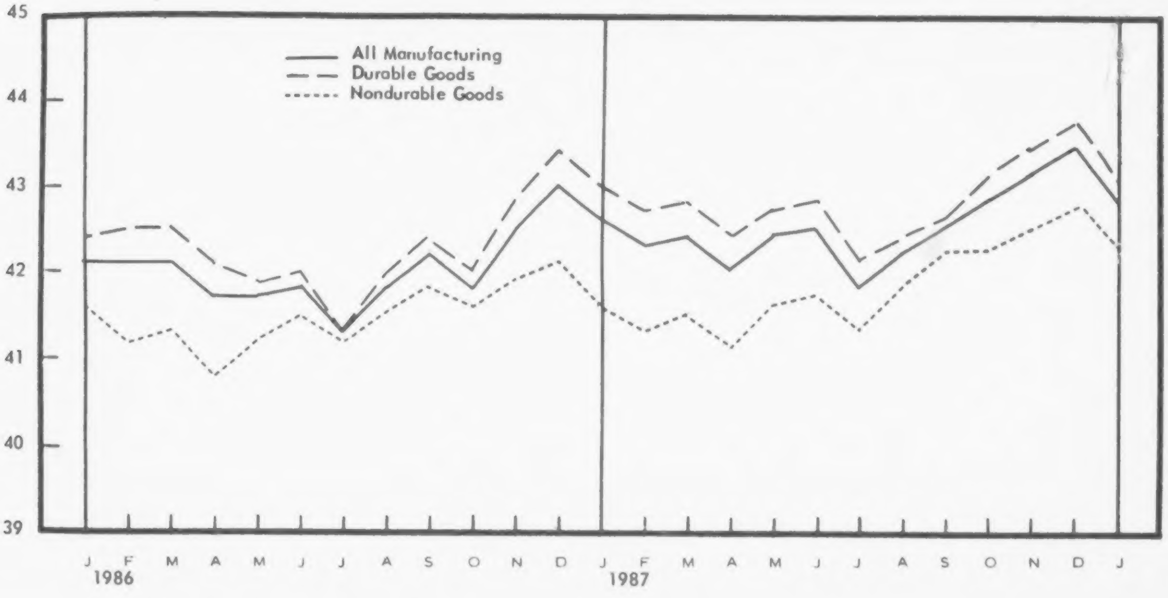
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

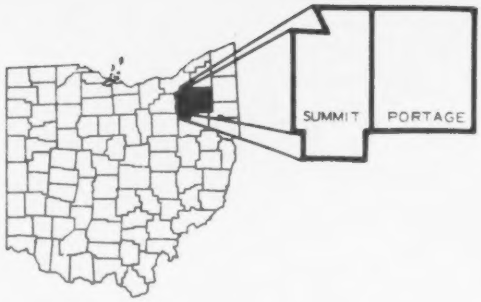
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MINING	$557.66	$535.82	$546.69	44.4	42.9	43.7	$12.56	$12.49	$12.51
Bituminous coal and lignite mining	685.70	658.60	650.16	44.7	42.6	42.0	15.34	15.46	15.48
CONSTRUCTION	558.00	574.81	561.41	37.2	38.5	38.4	15.00	14.93	14.62
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	562.22	562.78	535.30	40.8	40.9	40.4	13.78	13.76	13.25
Communication	535.71	544.05	525.20	39.8	40.3	40.0	13.46	13.50	13.13
Electric, gas, and sanitary services	592.47	586.30	548.47	41.9	41.7	40.9	14.14	14.06	13.41
WHOLESALE TRADE	381.03	385.13	368.32	39.0	39.5	39.1	9.77	9.75	9.42
Wholesale trade-durable goods	374.58	379.14	365.10	39.1	39.7	39.3	9.58	9.55	9.29
Wholesale trade-nondurable goods	392.89	396.54	373.07	38.9	39.3	38.7	10.10	10.09	9.64
RETAIL TRADE[h]	160.68	167.04	155.96	27.8	29.0	28.0	5.78	5.76	5.57
General merchandise stores	167.82	182.95	169.62	27.2	29.7	28.7	6.17	6.16	5.91
Department stores	172.62	187.41	174.46	27.4	29.7	28.6	6.30	6.31	6.10
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	262.03	261.35	257.28	....	....	....	.....	.....	.....
Credit agencies other than banks	257.91	257.91	247.27	....	....	....	.....	.....	.....
Insurance carriers	362.85	358.09	343.67	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	334.89	333.94	324.36	32.8	32.9	33.2	10.21	10.15	9.77

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES

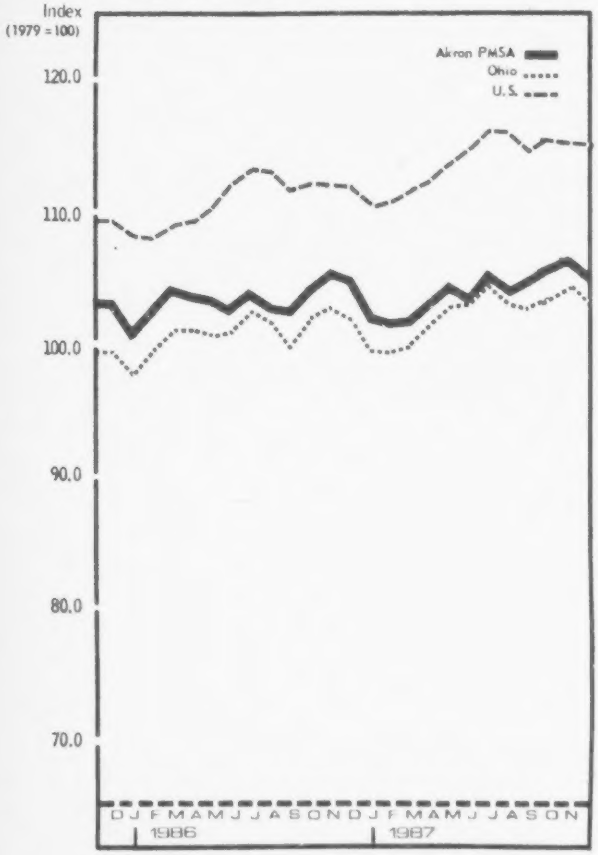


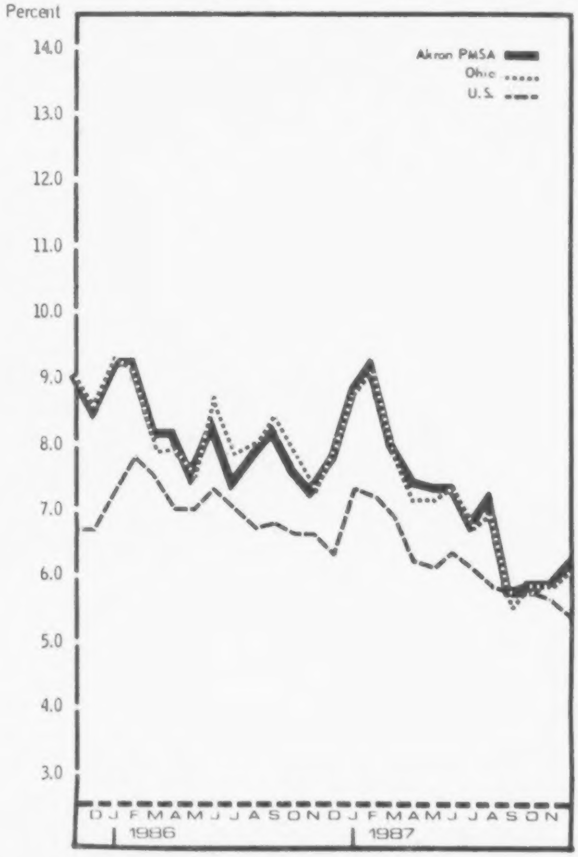
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



Nonfarm wage and salary employment in the Akron area for the month of January totaled 263,900, a decline of 7,900 from December. Nonmanufacturing industries lost 7,500 jobs, due primarily to seasonal decreases in retail trade, state government education, services, and construction. A reduction in fabricated metal products contributed to a decrease of 500 manufacturing employees. Manufacturing production workers averaged a 43.2-hour workweek, down 1.0 hour from December. Their average earnings of $11.34 per hour were $.06 lower.

Nonagricultural wage and salary employment registered an improvement of 5,000 since January 1987, due to advancements within nonmanufacturing industries. Primary growth sectors were services, especially health and business services, state and local government education, and retail trade. Manufacturing employment fell 200 over the year, as declines in tires and inner tubes and fabricated metal products negated gains in nonelectrical machinery and food and kindred products.


INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)


UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

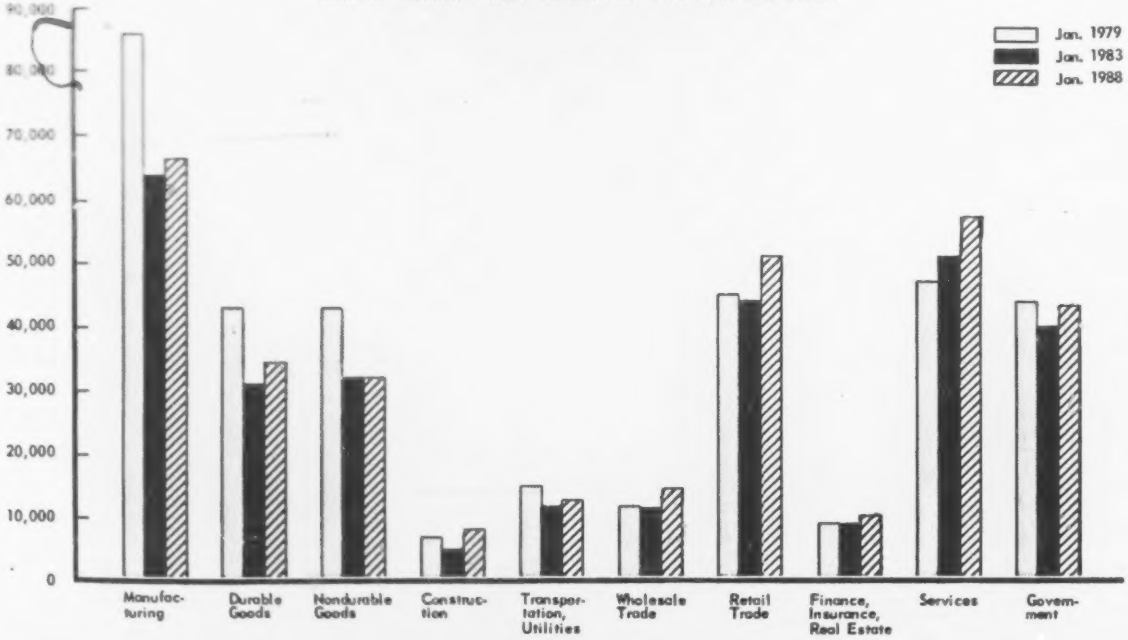
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5*	293.9*	25.6*	8.0*	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
322.9*	297.8*	25.2*	7.8*	1986 December	267.0	67.0	36.3	498.08	43.5	11.45
319.5	291.3	28.1	8.8	1987 January	258.9	66.7	36.2	489.62	43.1	11.36
320.2	290.9	29.3	9.1	February	259.6	66.3	36.0	487.05	42.5	11.46
315.3	290.2	25.1	8.0	March	260.1	66.0	35.9	483.64	42.8	11.30
318.2	294.7	23.5	7.4	April	262.6	66.1	35.7	483.75	43.0	11.25
321.7	298.3	23.5	7.3	May	265.9	66.1	35.7	487.19	43.0	11.33
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
INA	INA	INA	INA	1988 January	263.9	66.5	36.3	489.89	43.2	11.34

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	263.9	271.9	258.9	- 7.9	5.0
MANUFACTURING	66.5	67.0	66.7	- .5	- .2
Durable Goods[e]	34.2	34.7	34.2	- .5	.0
Fabricated metal products	11.4	11.8	11.8	- .4	- .4
Machinery, except electrical	9.5	9.5	9.2	.0	.4
Metalworking machinery	3.4	3.4	3.1	.0	.3
Nondurable Goods[f]	32.3	32.3	32.5	.0	- .2
Food and kindred products	3.1	3.1	2.9	.0	.2
Chemicals and allied products	3.0	3.1	2.9	- .1	.1
Rubber and misc. plastics products	20.8	20.7	21.4	.1	- .6
Tires and inner tubes	12.7	12.6	13.7	.0	- 1.0
NONMANUFACTURING[g]	197.4	204.9	192.3	- 7.5	5.2
CONSTRUCTION	7.8	8.9	7.5	- 1.1	.3
TRANSPORTATION AND PUBLIC UTILITIES	12.7	13.1	12.8	- .4	- .1
Communication, electric, gas services	5.3	5.3	5.4	.0	- .1
WHOLESALE TRADE	14.1	14.1	13.6	.0	.5
RETAIL TRADE	51.2	53.8	50.5	- 2.6	.7
General merchandise stores	6.4	7.2	6.7	- .8	- .3
FINANCE, INSURANCE, AND REAL ESTATE	10.6	10.6	10.3	.0	.3
Banking	3.1	3.1	3.1	.0	.0
SERVICES	57.2	58.8	54.4	- 1.5	2.8
Business services	11.0	11.7	10.4	- .7	.7
Amusement and recreation services	2.7	3.1	2.4	- .4	.3
Health services	19.9	19.8	18.6	.1	1.3
GOVERNMENT	43.3	45.0	42.6	- 1.8	.7
State government	15.3	16.8	14.6	- 1.5	.6
State government education[1]	12.3	13.9	11.7	- 1.5	.6
State government, except education	2.9	2.9	2.9	.0	.0
Local government	25.5	25.8	25.5	- .2	.0
Local government education	14.6	15.0	14.2	- .3	.4
Local government, except education	10.9	10.8	11.2	.1	- .3

Hours & Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

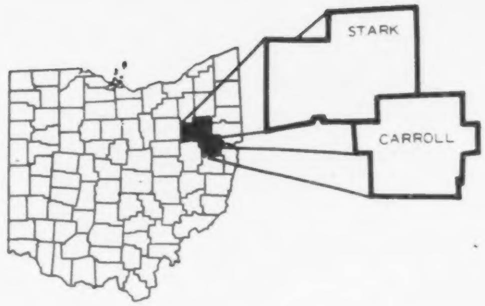
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$489.89	$503.88	$489.62	43.2	44.2	43.1	$11.34	$11.40	$11.36
Durable Goods[e]	495.32	518.47	506.43	42.7	44.2	43.1	11.60	11.73	11.75
Fabricated metal products	599.09	623.45	637.71	43.1	44.5	45.1	13.90	14.01	14.14
Machinery, except electrical	456.83	476.53	435.44	44.7	46.4	43.5	10.22	10.27	10.01
Metalworking machinery	484.70	507.89	463.50	45.9	47.6	45.0	10.56	10.67	10.30
Nondurable Goods[f]	482.02	484.20	466.34	43.9	44.3	43.1	10.98	10.93	10.82
Food and kindred products	478.56	499.14	439.56	44.6	45.5	40.7	10.73	10.97	10.80
Chemicals and allied products	519.35	527.03	474.43	44.2	45.2	41.8	11.75	11.66	11.35
Rubber and misc. plastics products	498.85	486.20	492.17	44.7	44.2	44.5	11.16	11.00	11.06
Tires and inner tubes	782.50	752.76	731.87	50.0	49.2	50.3	15.65	15.30	14.55
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	558.96	572.93	539.48	40.3	41.1	40.2	13.87	13.94	13.42
WHOLESALE TRADE	330.99	333.38	316.22	36.9	37.5	37.6	8.97	8.89	8.41
RETAIL TRADE[h]	193.12	198.74	197.82	30.8	31.9	31.5	6.27	6.23	6.28

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	2,454	2,276	2,843
Active File of Job Seekers	16,818	16,067	20,680
Referrals to Jobs	1,042	813	789
Placements	170	258	131
Job Openings Received	388	519	379
Job Openings Unfilled	697	717	479
Unemployment Insurance Program			
Initial Claims	5,556	5,356	5,841
Continued Claims	37,265	30,770	39,407
First Payments	2,831	1,888	2,879
Last Payments	448	416	500
Weeks Compensated	30,459	22,733	33,548
Benefits Paid	$4,669,705	$3,406,954	$4,953,512
Average Weekly Payment	$157.05	$153.99	$151.70

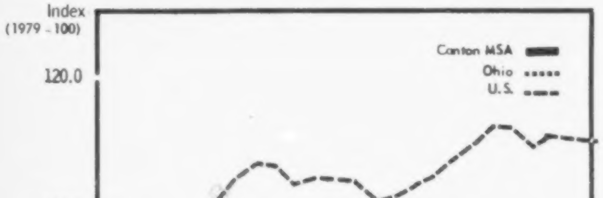
CANTON
METROPOLITAN STATISTICAL AREA



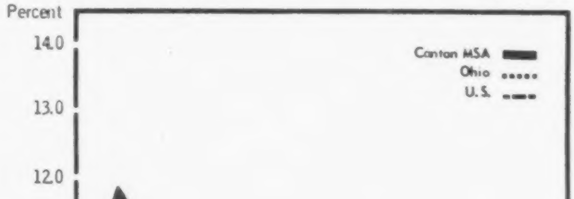
In January, the nonagricultural wage and salary employment for the Canton metropolitan area totaled 155,700, a decline of 3,200 from December. Most of the decrease occurred in nonmanufacturing, primarily due to seasonal decreases in retail trade, construction, and services. Employment in manufacturing was down 200, to a total of 43,700. Factory workers averaged a 42.4-hour workweek, an increase of .2 hours from last month. Their average earnings were up $.08, to $11.37 per hour.

Nonfarm wage and salary employment recorded an increase of 3,800 over the year. Nonmanufacturing industries contributed most to the gain. Construction, retail trade, and services were the major growth sectors. A moderate improvement in the durable-goods division, particularly primary metal industries, helped create 600 new manufacturing jobs since January 1987.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

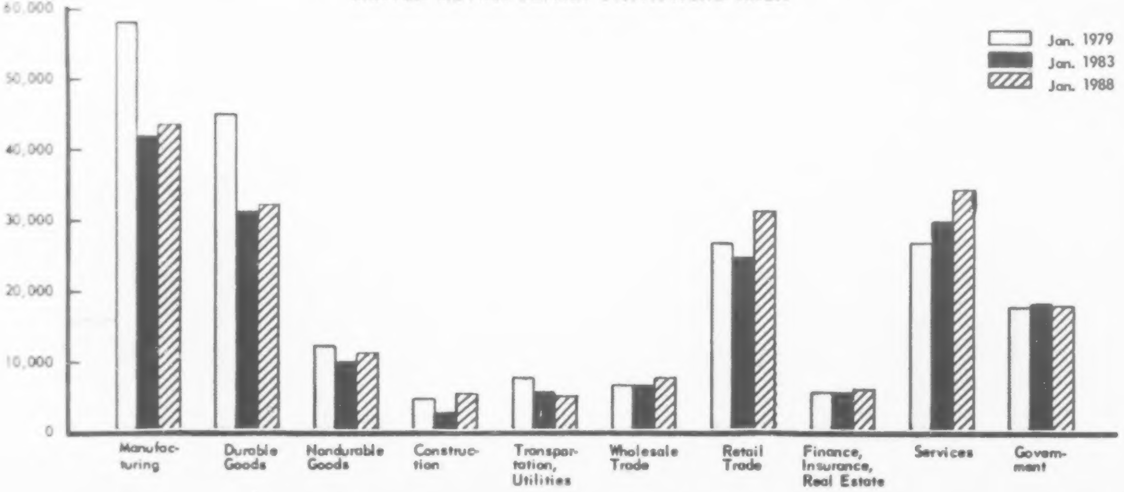


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3*	171.0*	19.4*	10.2*	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1986						
190.3*	171.5*	18.7*	9.9*	December	155.5	43.6	30.8	476.94	41.8	11.41
				1987						
190.0	169.9	20.1	10.6	January	151.9	43.1	30.4	483.19	42.2	11.45
190.8	169.1	21.7	11.4	February	151.8	43.3	30.5	476.70	42.0	11.35
187.7	169.6	18.1	9.7	March	152.8	43.3	30.5	477.12	42.0	11.36
189.1	172.4	16.8	8.9	April	154.3	43.3	30.5	471.03	41.5	11.35
191.2	174.4	16.7	8.7	May	156.3	43.5	30.6	486.35	42.7	11.39
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
INA	INA	INA	INA	January	155.7	43.7	31.2	482.09	42.4	11.37

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	155.7	158.9	151.9	-3.2	3.8
MANUFACTURING	43.7	43.9	43.1	-.2	.6
Durable Goods[e]	32.3	32.2	31.5	.1	.8
Primary metal industries	10.6	10.6	10.3	.0	.3
Fabricated metal products	6.4	6.5	6.6	-.1	-.1
Metal forgings and stampings	2.1	2.2	2.3	.0	-.2
Nondurable Goods[f]	11.4	11.7	11.6	-.3	-.3
Food and kindred products	3.2	3.4	3.8	-.2	-.6
Rubber and misc. plastics products	3.0	3.1	2.8	.0	.2
NONMANUFACTURING[g]	112.0	115.0	108.8	-3.1	3.2
CONSTRUCTION	5.9	6.8	4.9	-.9	1.0
TRANSPORTATION AND PUBLIC UTILITIES	5.6	5.7	5.5	-.1	.1
Communication, electric, gas services	2.6	2.6	2.6	.0	-.1
WHOLESALE TRADE	8.1	8.2	7.9	.0	.2
Wholesale trade-durable goods	4.5	4.5	4.4	.0	.1
RETAIL TRADE	31.4	32.6	30.5	-1.2	.9
General merchandise stores	4.1	4.6	4.1	-.5	.0
Food stores	5.1	5.2	5.1	-.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.5	6.4	-.1	-.1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	34.9	35.4	34.0	-.5	.9
Health services	15.1	15.1	14.5	.0	.6
GOVERNMENT	18.6	18.9	18.5	-.3	.1
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	15.5	15.8	15.3	-.3	.1
Local government education	8.9	9.2	9.3	-.3	-.4
Local government, except education	6.5	6.5	6.0	.0	.5

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

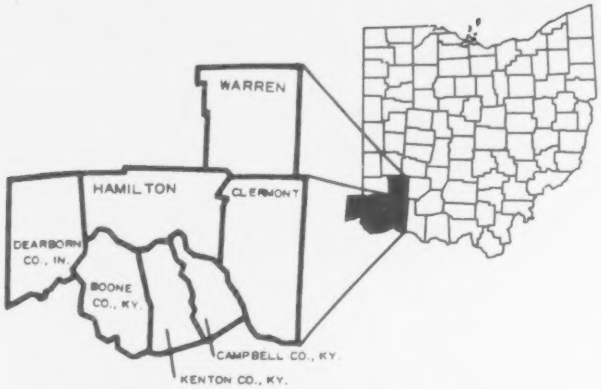
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$482.09	$476.44	$483.19	42.4	42.2	42.2	$11.37	$11.29	$11.45
Durable Goods[e]	503.84	498.37	509.22	43.1	43.0	42.9	11.69	11.59	11.87
Primary metal industries	595.40	548.21	577.66	45.8	43.2	45.2	13.00	12.69	12.78
Fabricated metal products	422.28	442.66	502.80	40.8	42.4	41.9	10.35	10.44	12.00
Metal forgings and stampings	577.50	619.65	663.15	39.8	42.5	43.4	14.51	14.58	15.28
Nondurable Goods[f]	413.66	411.37	403.60	40.2	39.9	40.0	10.29	10.31	10.09
Food and kindred products	429.84	447.45	443.90	39.8	40.9	40.8	10.80	10.94	10.88
Rubber and misc. plastics products	437.78	433.70	428.16	41.3	40.8	42.1	10.60	10.63	10.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	573.25	560.60	528.12	41.6	41.1	40.5	13.78	13.64	13.04
WHOLESALE TRADE	374.98	384.38	362.85	37.8	38.4	36.8	9.92	10.01	9.86
RETAIL TRADE[h]	152.58	157.97	150.90	28.1	29.2	28.1	5.43	5.41	5.37

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	1,653	1,294	1,760
Active File of Job Seekers	11,400	10,784	18,303
Referrals to Jobs	737	578	968
Placements	246	209	143
Job Openings Received	270	410	361
Job Openings Unfilled	306	577	358
Unemployment Insurance Program			
Initial Claims	3,514	3,982	4,560
Continued Claims	21,890	14,585	34,139
First Payments	1,738	1,078	2,285
Last Payments	240	215	329
Weeks Compensated	17,249	12,052	25,615
Benefits Paid	$2,445,971	$1,639,133	$3,716,635
Average Weekly Payment	$146.61	$141.33	$150.56

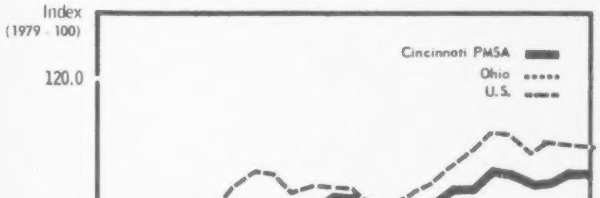
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



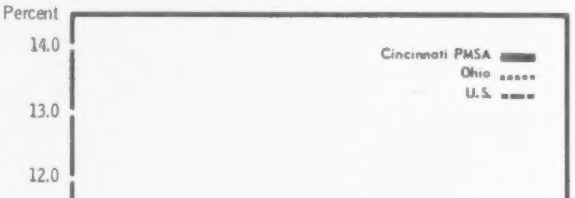
Nonagricultural wage and salary employment in the Cincinnati metropolitan area declined 16,000 from December, to 678,900 in January. Manufacturing employment, at 145,000, was down 600, with scattered losses in durable- and nondurable-goods industries. Nonmanufacturing employment decreased 15,400, due to seasonal losses in retail trade, construction, amusement and recreation services, and local government education. Factory production workers earned an average of $11.15 per hour, up slightly from December. The average workweek, 43.2 hours, was .7 hours shorter.

Since January 1987, nonfarm employment advanced 28,800. Growth in services, retail trade, and construction accounted for most of the improvement, although all nonmanufacturing sectors recorded gains. Manufacturing employment increased 2,600 workers over the year. Expansion in nondurable-goods industries, especially chemicals and allied products and apparel and other textile products, overshadowed losses in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

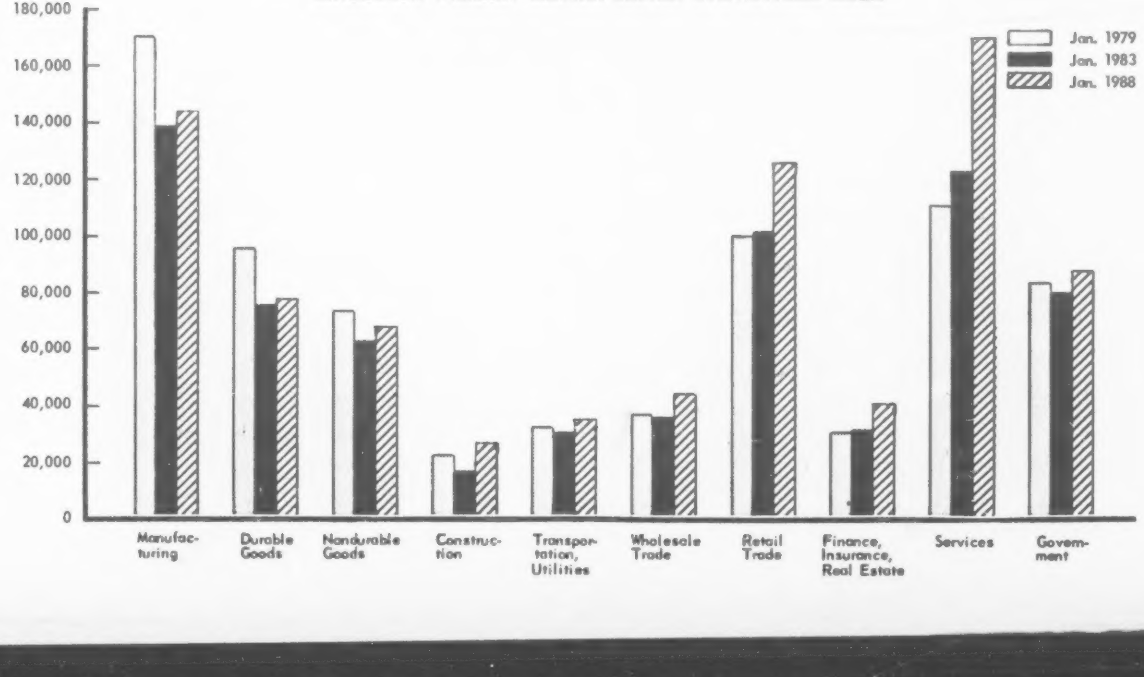


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5*	679.4*	47.2*	6.5*	1986	650.8	147.7	95.5	453.00	42.1	10.76
739.6*	695.7*	43.9*	5.9*	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1986						
738.5*	693.0*	45.5*	6.2*	December	668.8	147.7	95.5	472.14	43.0	10.98
				1987						
727.5*	671.9*	55.6*	7.6*	January	650.1	142.4	90.5	458.53	42.3	10.84
726.9*	675.2*	51.6*	7.1*	February	654.0	145.7	93.6	467.25	42.4	11.02
727.0*	675.0*	52.0*	7.2*	March	656.6	142.2	90.4	462.40	42.5	10.88
732.2*	691.5*	40.7*	5.6*	April	673.1	146.9	94.8	459.38	41.8	10.99
740.9*	699.3*	41.6*	5.6*	May	679.6	147.6	95.3	466.15	42.3	11.02
747.8*	698.8*	48.9*	6.5*	June	680.2	144.7	92.0	466.52	42.8	10.90
752.9*	708.5*	44.4*	5.9*	July	679.4	144.9	91.9	451.73	42.1	10.73
744.9*	705.9*	38.9*	5.2*	August	686.1	148.7	95.8	472.69	42.7	11.07
738.5*	702.0*	36.6*	4.9*	September	689.7	146.3	93.6	471.71	43.0	10.97
744.2*	703.3*	41.0*	5.5*	October	688.8	144.1	91.4	467.41	43.0	10.87
747.5*	709.2*	38.3*	5.1*	November	693.1	145.4	93.2	477.17	43.3	11.02
744.9*	708.0*	36.8*	4.9*	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
INA	INA	INA	INA	January	678.9	145.0	93.0	481.68	43.2	11.15

INA - information not available. * - Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	678.9	694.9	650.1	- 16.0	28.8
MANUFACTURING	145.0	145.6	142.4	- .6	2.6
Durable Goods[e]	77.6	77.8	77.9	- .2	- .3
Fabricated metal products	10.3	10.3	10.2	- .1	.1
Fabricated structural metal products	4.1	4.1	3.9	- .1	.1
Machinery, except electrical	20.5	20.6	20.7	- .1	- .3
Metalworking machinery	8.0	8.0	8.5	.0	- .5
General industrial machinery	3.0	3.0	3.0	.0	.0
Electric and electronic equipment	7.5	7.5	7.4	.0	.1
Transportation equipment	25.3	25.4	26.2	- .1	- .9
Motor vehicles and equipment	5.2	5.2	5.6	.0	- .4
Nondurable Goods[f]	67.5	67.8	64.5	- .4	3.0
Food and kindred products	13.2	13.4	12.6	- .2	.5
Beverages	3.4	3.5	3.7	.0	- .3
Apparel and other textile products	4.0	4.1	3.3	.0	.7
Paper and allied products	6.0	6.1	6.0	.0	.0
Printing and publishing	13.3	13.3	13.1	- .1	.2
Commercial printing	5.8	5.8	5.5	.0	.3
Chemicals and allied products	22.7	22.6	21.6	.1	1.0
Rubber and misc. plastics products	5.9	6.0	5.6	- .1	.3
NONMANUFACTURING[g]	533.8	549.3	507.6	- 15.4	26.2
CONSTRUCTION	28.3	31.2	25.5	- 2.9	2.9
TRANSPORTATION AND PUBLIC UTILITIES	35.8	36.1	34.2	- .3	1.6
Trucking and warehousing	9.9	10.2	9.5	- .3	.4
Communication, electric, gas services	15.1	15.0	15.0	.0	.1
WHOLESALE TRADE	44.9	45.1	43.3	- .2	1.6
Wholesale trade-durable goods	26.5	26.5	25.4	- .1	1.1
RETAIL TRADE	125.6	132.0	121.0	- 6.4	4.6
General merchandise stores	18.0	19.9	18.2	- 1.9	- .2
FINANCE, INSURANCE, AND REAL ESTATE	41.0	41.3	38.9	- .3	2.1
Banking	9.1	8.9	8.5	.1	.6
Insurance carriers	14.1	14.1	13.6	.1	.5
SERVICES	169.7	173.3	157.5	- 3.6	12.3
Hotels and other lodging places	6.1	6.4	5.7	- .3	.5
Personal services	8.8	8.6	8.3	.2	.5
Business services	40.9	41.8	37.5	- .9	3.4
Amusement and recreation services	6.1	8.1	5.3	- 2.0	.8
Health services	53.8	53.6	50.6	.3	3.2
Hospitals	25.6	25.6	24.4	.0	1.2
GOVERNMENT	87.9	89.8	86.9	- 1.9	1.0
Federal government	15.3	15.5	14.6	- .2	.6
State government	19.9	20.2	19.7	- .4	.1
State government education[1]	12.2	12.5	11.8	- .3	.3
State government, except education	7.7	7.7	7.9	.0	- .2
Local government	52.8	54.1	52.6	- 1.3	.2
Local government education	30.8	31.8	30.9	- 1.0	- .1
Local government, except education	22.0	22.3	21.7	- .3	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$481.68	$488.17	$458.53	43.2	43.9	42.3	$11.15	$11.12	$10.84
Durable Goods[e]	479.52	492.84	461.13	43.2	44.4	42.5	11.10	11.10	10.85
Fabricated metal products	421.93	434.17	407.46	41.9	43.9	42.8	10.07	9.89	9.52
Fabricated structural metal products	417.18	445.11	410.18	40.7	44.6	41.6	10.25	9.98	9.86
Machinery, except electrical	433.24	441.53	418.46	42.6	43.5	42.7	10.17	10.15	9.80
Metalworking machinery	498.88	508.19	453.02	43.8	44.5	42.9	11.39	11.42	10.56
General industrial machinery	408.74	459.19	410.41	42.8	47.0	43.8	9.55	9.77	9.37
Electric and electronic equipment	351.29	377.04	347.77	40.8	42.7	39.7	8.61	8.83	8.76
Transportation equipment	715.10	732.30	681.29	46.8	47.8	46.6	15.28	15.32	14.62
Motor vehicles and equipment	755.37	806.22	763.05	46.2	49.1	47.9	16.35	16.42	15.93
Nondurable Goods[f]	485.39	484.16	456.36	43.3	43.5	42.1	11.21	11.13	10.84
Food and kindred products	557.17	528.47	481.74	46.2	44.9	43.4	12.06	11.77	11.10
Beverages	528.35	524.17	544.36	41.8	41.7	43.9	12.64	12.57	12.40
Apparel and other textile products	212.82	223.26	218.28	37.6	39.1	37.7	5.66	5.71	5.79
Paper and allied products	429.57	425.43	409.53	43.0	42.8	41.2	9.99	9.94	9.94
Printing and publishing	474.35	484.34	460.40	41.5	42.3	40.6	11.43	11.45	11.34
Commercial printing	509.98	509.68	523.09	43.7	43.9	44.9	11.67	11.61	11.65
Chemicals and allied products	561.60	571.12	528.20	43.2	44.0	42.7	13.00	12.98	12.37
Rubber and misc. plastics products	407.56	407.97	402.56	44.3	44.2	43.9	9.20	9.23	9.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	544.64	544.56	523.64	39.9	40.1	39.7	13.65	13.58	13.19
WHOLESALE TRADE	400.90	389.78	378.28	40.7	40.9	40.2	9.85	9.53	9.41
RETAIL TRADE[h]	163.02	168.40	159.61	28.5	29.7	28.4	5.72	5.67	5.62
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	254.16	258.93	261.17	....	....	....	.....	.....	.....

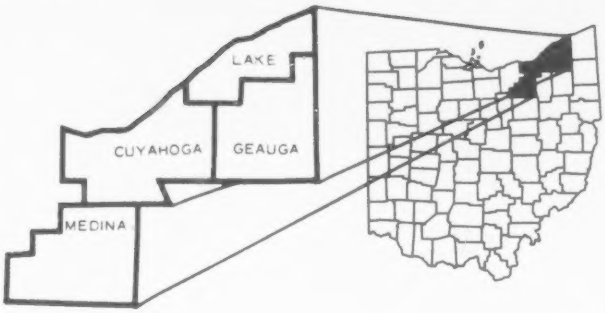
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	3,061	3,063	3,813
Active File of Job Seekers	22,647	21,328	25,144
Referrals to Jobs	1,558	2,155	2,114
Placements	243	714	421
Job Openings Received	655	1,060	1,182
Job Openings Unfilled	1,576	1,813	1,539
Unemployment Insurance Program			
Initial Claims	6,805	6,719	10,512
Continued Claims	52,128	49,031	64,267
First Payments	2,254	2,419	3,910
Last Payments	524	450	626
Weeks Compensated	40,313	35,862	45,992
Benefits Paid	$6,407,686	$5,733,261	$6,837,208
Average Weekly Payment	$161.79	$163.15	$151.77

[a] Ohio data only

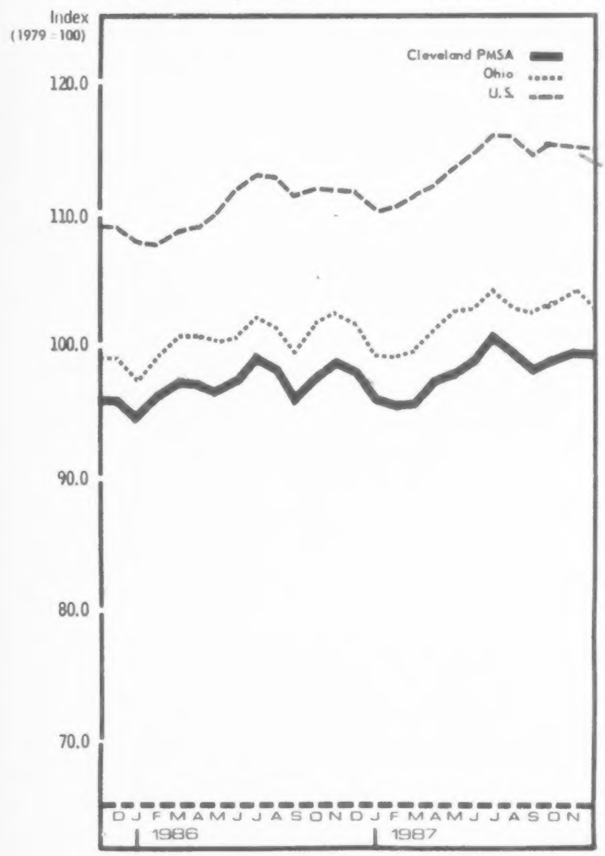
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



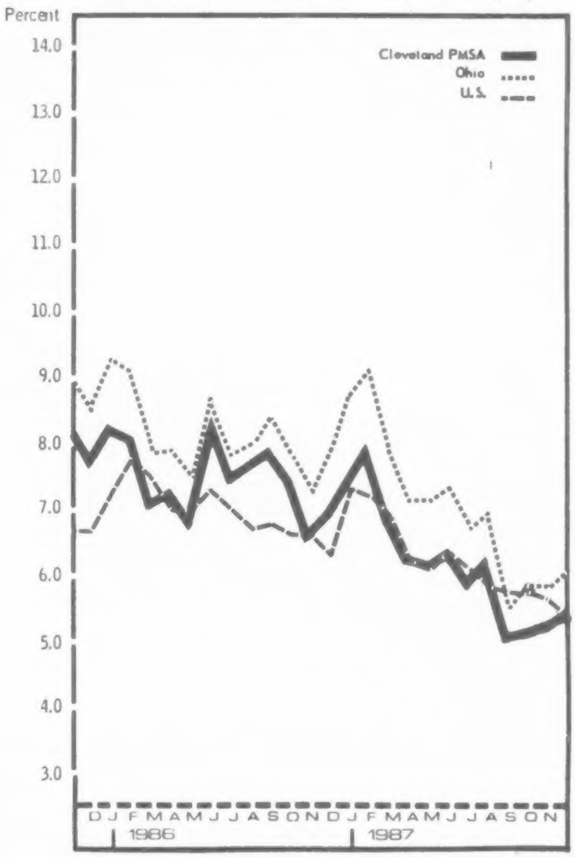
Total nonfarm employment in the Cleveland metropolitan area declined 19,800 since December, to 890,500 in January. Although nearly all nonmanufacturing sectors reflected employment losses, significant reductions were noted in retail trade, services, and construction. Manufacturing employment decreased 900, to 202,400 in January, due to reductions in nonelectrical machinery, motor vehicles and equipment, and chemicals and allied products. Factory workers earned an average of $11.74 per hour, increasing $.08 from December. Their average workweek of 43.3 hours was .7 hours shorter.

From January 1987 to January 1988 nonagricultural wage and salary employment advanced 23,400. Nonmanufacturing industries contributed 89 percent of the growth, with noteworthy improvement in services and retail trade. Manufacturing employment gained 2,500 jobs during the period due to moderate expansion in fabricated metal products, rubber and miscellaneous plastics products, and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

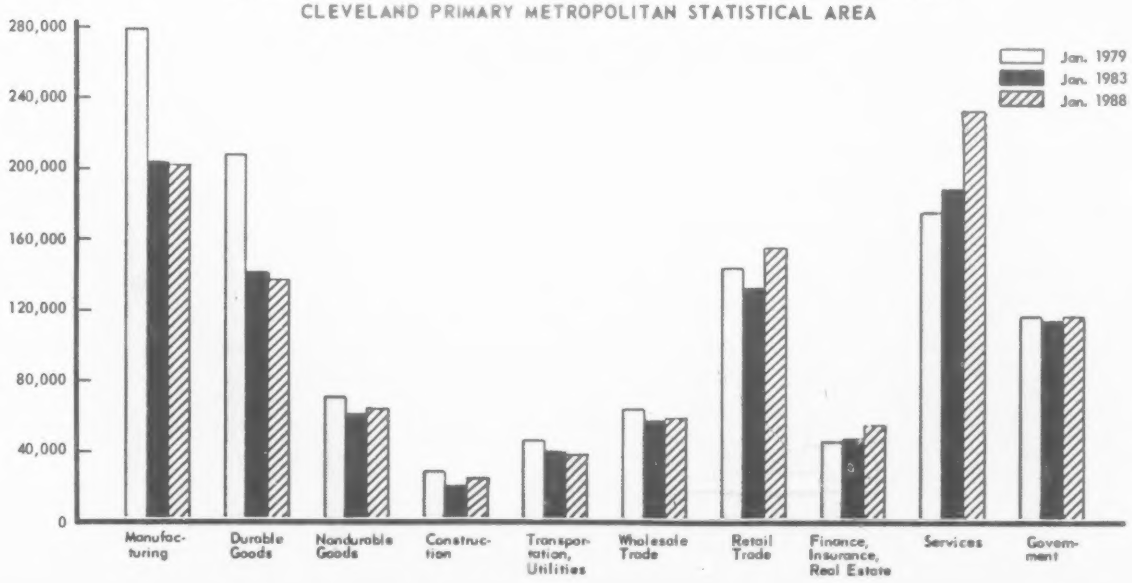


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3*	864.1*	70.2*	7.5*	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1986						
935.9*	870.4*	65.5*	7.0*	December	891.6	203.2	130.0	505.61	43.4	11.65
				1987						
915.8	847.1	68.7	7.5	January	867.1	199.9	127.7	503.84	43.1	11.69
919.3	845.9	73.4	8.0	February	868.5	199.6	127.5	493.64	42.3	11.67
909.1	845.7	63.4	7.0	March	871.3	199.3	127.6	498.07	42.9	11.61
916.9	858.8	58.1	6.3	April	880.1	199.4	127.9	494.89	42.7	11.59
925.3	867.2	58.0	6.3	May	889.5	199.9	127.6	493.19	42.7	11.55
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
INA	INA	INA	INA	January	890.5	202.4	130.1	508.34	43.3	11.74

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the *Labor Market Review*.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Chnage[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	890.5	910.2	867.1	- 19.8	23.4
MANUFACTURING	202.4	203.3	199.9	- .9	2.5
Durable Goods[e]	137.4	138.3	136.8	- .9	.6
Primary metal industries	21.1	21.2	20.7	- .1	.4
Iron and steel foundries	5.3	5.3	5.3	- .1	.0
Fabricated metal products	33.2	33.3	31.7	- .1	1.5
Fabricated structural metal products	4.4	4.3	3.8	.0	.5
Screw machine products, bolts, etc.	4.8	4.8	4.6	.0	.2
Metal forgings and stampings	11.7	11.7	11.1	.0	.6
Machinery, except electrical	28.9	29.2	29.2	- .3	- .3
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	9.5	9.6	9.7	.0	- .2
Special industry machinery	2.5	2.8	2.9	- .2	- .3
General industrial machinery	3.0	3.0	3.0	.0	.0
Electric and electronic equipment	17.9	18.0	18.4	- .1	- .5
Electrical industrial apparatus	6.1	6.2	6.1	- .1	.0
Transportation equipment	19.1	19.3	19.5	- .3	- .5
Motor vehicles and equipment	12.0	12.2	12.3	- .3	- .3
Instruments and related products	6.6	6.5	6.9	.1	- .3
Measuring and controlling devices	4.2	4.2	4.2	.0	.0
Nondurable Goods[f]	65.0	65.0	63.1	.0	1.9
Food and kindred products	7.2	7.2	6.8	.0	.4
Apparel and other textile products	3.9	3.9	4.1	.0	- .2
Paper and allied products	5.8	5.8	5.5	.0	.2
Printing and publishing	16.3	16.2	15.9	.0	.3
Chemicals and allied products	14.6	14.8	14.1	- .2	.5
Rubber and misc. plastics products	12.4	12.2	11.8	.3	.7
NONMANUFACTURING[g]	688.0	706.9	667.2	- 18.9	20.9
CONSTRUCTION	25.8	28.7	23.7	- 2.9	2.1
TRANSPORTATION AND PUBLIC UTILITIES	39.7	41.6	40.5	- 1.9	- .8
Trucking and warehousing	11.7	12.5	11.1	- .9	.5
Communication, electric, gas services	17.3	17.7	18.6	- .3	- 1.2
WHOLESALE TRADE	60.1	60.9	59.9	- .8	.2
Wholesale trade-durable goods	41.4	42.0	41.6	- .6	- .2
RETAIL TRADE	155.2	163.1	149.5	- 7.9	5.7
General merchandise stores	21.7	23.7	21.3	- 2.0	.3
FINANCE, INSURANCE, AND REAL ESTATE	55.2	55.1	53.0	.1	2.2
Banking	13.4	13.4	13.2	.0	.2
Credit agencies other than banks	8.7	8.7	8.6	- .1	.1
Insurance carriers	13.8	13.8	13.1	.0	.7
SERVICES	233.6	237.3	223.9	- 3.8	9.6
Business services	53.7	54.6	50.3	- 1.0	3.4
Amusement and recreation services	5.9	6.9	6.2	- 1.0	- .2
Health services	75.8	75.8	73.6	.0	2.2
Hospitals	43.0	43.1	41.6	- .1	1.4
GOVERNMENT	117.3	119.0	115.4	- 1.6	1.9
Federal government	20.8	20.9	20.4	- .1	.4
State government	8.1	8.4	8.4	- .3	- .3
State government education[1]	3.0	3.4	3.1	- .4	- .1
State government, except education	5.1	5.0	5.3	.1	- .2
Local government	88.4	89.6	86.6	- 1.2	1.9
Local government education	45.1	46.1	43.1	- 1.0	2.0
Local government, except education	43.3	43.5	43.5	- .1	- .1

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

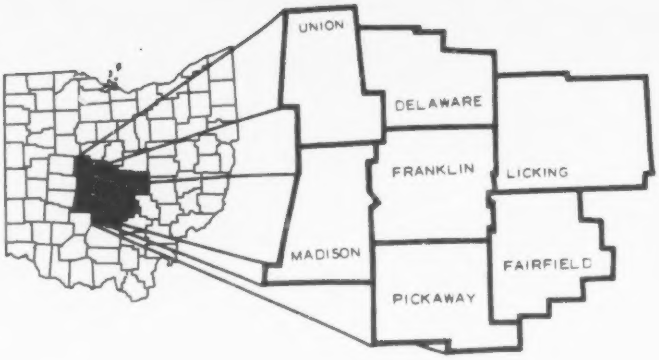
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$508.34	$513.04	$503.84	43.3	44.0	43.1	$11.74	$11.66	$11.69
Durable Goods[e]	545.87	550.80	542.96	44.2	45.0	44.0	12.35	12.24	12.34
Primary metal industries	606.34	588.94	662.22	45.9	46.3	47.2	13.21	12.72	14.03
Iron and steel foundries	898.39	767.45	900.23	50.9	45.6	52.4	17.65	16.83	17.18
Fabricated metal products	559.55	569.48	547.90	44.8	46.0	44.8	12.49	12.38	12.23
Fabricated structural metal products	378.10	409.49	362.16	39.1	41.7	38.9	9.67	9.82	9.31
Screw machine products, bolts, etc.	549.20	555.12	462.78	49.3	49.3	43.7	11.14	11.26	10.59
Metal forgings and stampings	713.58	724.59	727.02	46.7	48.5	48.5	15.28	14.94	14.99
Machinery, except electrical	480.82	501.56	483.21	42.4	43.5	42.8	11.34	11.53	11.29
Construction and related machinery	439.89	461.65	407.04	47.3	48.8	44.1	9.30	9.46	9.23
Metalworking machinery	438.37	444.64	423.74	41.2	41.4	41.3	10.64	10.74	10.26
Special industry machinery	491.71	498.80	484.74	41.6	40.0	40.7	11.82	12.47	11.91
General industrial machinery	507.75	515.97	490.16	44.5	45.3	44.0	11.41	11.39	11.14
Electric and electronic equipment	455.18	462.60	435.25	42.5	43.6	41.1	10.71	10.61	10.59
Electrical industrial apparatus	492.80	477.99	458.28	42.3	42.3	41.7	11.65	11.30	10.99
Transportation equipment	712.54	722.61	689.93	46.0	46.5	45.6	15.49	15.54	15.13
Motor vehicles and equipment	780.93	786.61	722.52	46.1	46.6	45.7	16.94	16.88	15.81
Instruments and related products	418.70	430.65	406.30	42.9	43.5	42.5	9.76	9.90	9.56
Measuring and controlling devices	442.37	453.79	409.76	43.2	44.1	41.6	10.24	10.29	9.85
Nondurable Goods[f]	417.58	421.41	410.23	41.1	41.6	40.9	10.16	10.13	10.03
Food and kindred products	384.05	378.21	397.11	40.9	42.4	42.7	9.39	8.92	9.30
Apparel and other textile products	338.18	331.14	310.37	40.5	39.8	38.7	8.35	8.32	8.02
Paper and allied products	478.24	487.03	466.55	42.7	43.1	43.0	11.20	11.30	10.85
Printing and publishing	390.16	404.80	408.18	37.3	38.7	37.9	10.46	10.46	10.77
Chemicals and allied products	522.65	523.20	491.63	43.7	43.6	42.2	11.96	12.00	11.65
Rubber and misc. plastics products	387.90	385.71	374.88	43.1	43.0	42.6	9.00	8.97	8.80
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	583.02	584.22	551.61	41.0	41.2	40.5	14.22	14.18	13.62
WHOLESALE TRADE	397.84	406.06	391.45	38.7	39.5	39.5	10.28	10.28	9.91
RETAIL TRADE[h]	182.71	183.10	175.26	27.6	28.3	27.6	6.62	6.47	6.35
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	298.55	299.30	300.30	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	340.38	341.15	334.95	31.4	31.5	32.3	10.84	10.83	10.37

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	4,871	4,928	8,895
Active File of Job Seekers	61,325	59,036	94,839
Referrals to Jobs	1,681	1,468	1,764
Placements	285	335	326
Job Openings Received	904	926	776
Job Openings Unfilled	2,205	2,336	1,619
Unemployment Insurance Program			
Initial Claims	11,243	11,059	11,828
Continued Claims	81,615	73,669	96,052
First Payments	6,166	4,212	6,919
Last Payments	1,138	959	1,463
Weeks Compensated	64,489	52,695	78,725
Benefits Paid	$9,736,382	$7,728,878	$11,746,775
Average Weekly Payment	$153.61	$149.48	$151.98

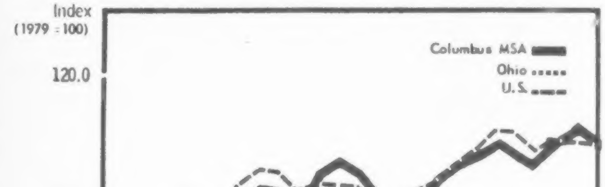
COLUMBUS
METROPOLITAN STATISTICAL AREA



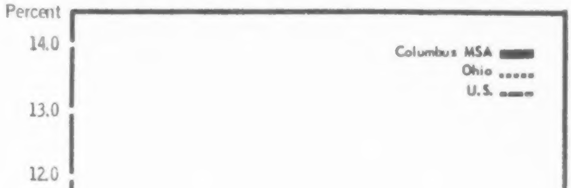
Nonagricultural wage and salary employment in the Columbus metropolitan area declined 14,100 from December, to 662,300 in January. Seasonal losses in retail trade, services, construction, and government contributed most, although all nonmanufacturing sectors were lower over the month. Manufacturing employment, at 102,300, dropped slightly, with losses in stone, clay, and glass products negating gains in transportation equipment. The average hourly earnings for factory production workers remained unchanged from December, at $11.35 per hour. The average workweek, 41.5 hours, was .4 hours shorter.

Since January 1987, nonfarm employment increased 20,200. All of the improvements occurred in nonmanufacturing sectors, especially in services, retail trade, construction, and finance, insurance, and real estate. Losses in transportation equipment overshadowed gains in nondurable-goods industries as manufacturing lost 1,800 jobs during the period.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

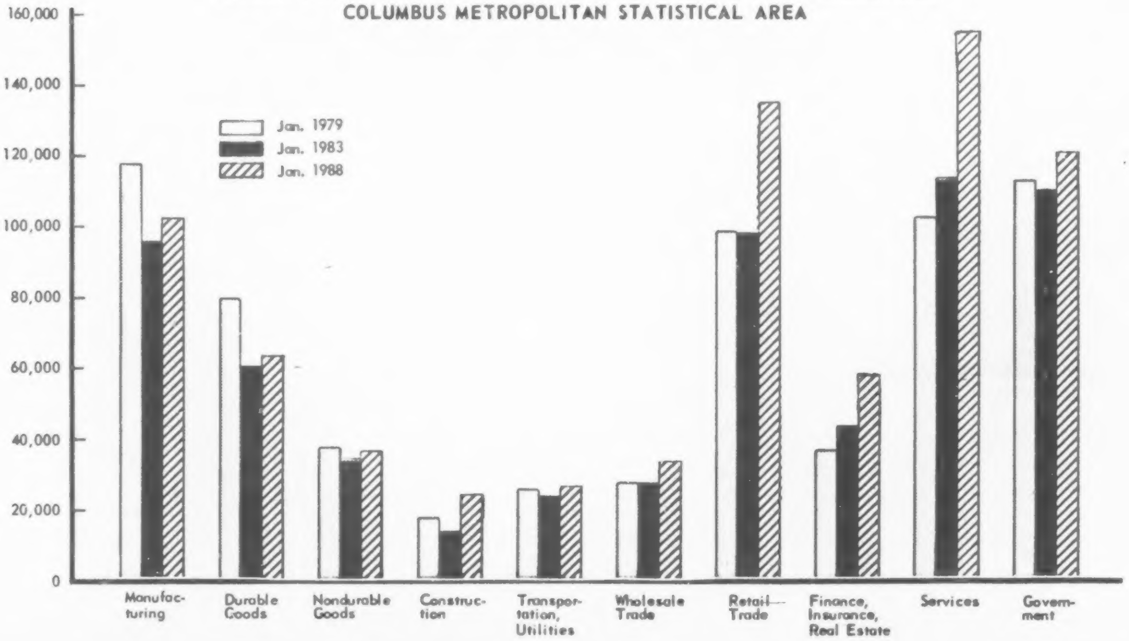


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7*	634.4*	41.3*	6.1*	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1986						
686.7*	646.6*	40.0*	5.8*	December	652.3	104.7	69.7	472.79	41.4	11.42
				1987						
686.3	643.1	43.2	6.3	January	642.1	104.0	69.2	472.15	41.2	11.46
685.8	639.8	46.0	6.7	February	641.9	103.2	68.4	463.81	40.9	11.34
682.4	643.0	39.4	5.8	March	647.1	103.4	68.6	477.47	41.7	11.45
687.4	650.8	36.6	5.3	April	650.6	103.3	68.3	466.49	41.1	11.35
696.1	657.1	39.1	5.6	May	657.2	103.4	68.4	474.24	41.6	11.40
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5	11.40
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
INA	INA	INA	INA	January	662.3	102.3	67.2	471.03	41.5	11.35

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	662.3	676.4	642.1	-14.1	20.2
MANUFACTURING	102.3	102.3	104.0	-.1	-1.8
Durable Goods[e]	64.4	64.5	67.6	.0	-3.2
Stone, clay, and glass products	9.9	10.3	10.6	-.4	-.6
Glass and glassware, pressed or blown	3.6	3.8	4.2	-.3	-.6
Fabricated metal products	9.4	9.5	9.4	.0	.0
Fabricated structural metal products	2.8	2.8	2.7	.1	.1
Machinery, except electrical	9.2	9.2	9.1	.0	.1
Electric and electronic equipment	11.1	11.0	11.0	.0	.1
Transportation equipment	12.9	12.6	16.0	.4	-3.0
Instruments and related products	4.1	4.1	4.1	.0	.1
Nondurable Goods[f]	37.8	37.9	36.4	.0	1.5
Food and kindred products	10.6	10.5	9.8	.1	.8
Printing and publishing	10.3	10.4	10.0	-.1	.3
Chemicals and allied products	6.7	6.7	6.8	.0	-.1
Rubber and misc. plastics products	5.4	5.4	5.2	.0	.2
NONMANUFACTURING[g]	560.0	574.0	538.1	-14.0	21.9
CONSTRUCTION	25.8	28.2	23.1	-2.4	2.6
TRANSPORTATION AND PUBLIC UTILITIES	27.8	28.8	27.3	-1.0	.5
Trucking and warehousing	11.5	12.3	11.3	-.9	.2
Communication, electric, gas services	11.6	11.7	11.6	-.1	.0
WHOLESALE TRADE	34.5	34.8	32.8	-.3	1.7
Wholesale trade-durable goods	22.4	22.5	21.2	-.2	1.1
RETAIL TRADE	135.2	141.1	129.1	-5.8	6.1
General merchandise stores	23.1	25.3	20.8	-2.3	2.2
FINANCE, INSURANCE, AND REAL ESTATE	58.1	58.3	55.7	-.2	2.4
Banking	12.0	11.9	11.4	.0	.6
Insurance carriers	22.9	23.0	22.3	-.1	.6
SERVICES	155.8	158.3	148.8	-2.5	7.0
Business services	35.2	36.7	33.9	-1.5	1.3
Health services	40.2	40.3	38.4	-.2	1.8
Hospitals	17.9	17.8	17.0	.1	.9
GOVERNMENT	121.9	123.5	120.4	-1.7	1.5
Federal government	15.3	15.7	15.7	-.4	-.4
State government	55.1	55.5	53.6	-.4	1.6
State government education[i]	24.3	24.9	23.3	-.6	1.1
State government, except education	30.8	30.6	30.3	.2	.5
Local government	51.5	52.4	51.2	-.9	.3
Local government education	31.4	31.6	30.9	-.2	.5
Local government, except education	20.1	20.7	20.3	-.6	-.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

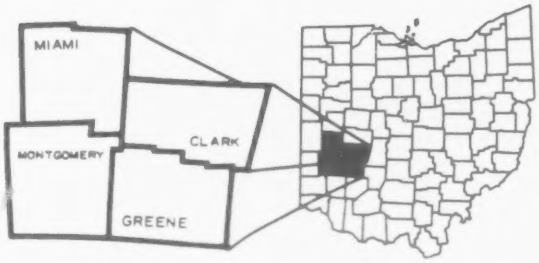
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$471.03	$475.57	$472.15	41.5	41.9	41.2	$11.35	$11.35	$11.46
Durable Goods[e]	476.42	481.12	482.45	41.5	41.8	41.2	11.48	11.51	11.71
Stone, clay, and glass products	469.04	473.85	454.73	40.4	40.5	38.7	11.61	11.70	11.75
Glass and glassware, pressed or blown	454.21	428.41	419.27	40.7	38.7	38.5	11.16	11.07	10.89
Fabricated metal products	500.61	517.02	498.11	41.0	42.0	41.2	12.21	12.31	12.09
Fabricated structural metal products	446.61	483.56	450.50	41.7	44.0	42.3	10.71	10.99	10.65
Machinery, except electrical	457.92	455.57	458.58	43.2	43.1	42.5	10.60	10.57	10.79
Electric and electronic equipment	457.60	444.11	451.27	41.6	40.3	40.4	11.00	11.02	11.17
Transportation equipment	568.46	589.58	578.52	43.0	43.9	43.4	13.22	13.43	13.33
Instruments and related products	394.75	410.00	427.98	38.4	40.0	42.0	10.28	10.25	10.19
Nondurable Goods[f]	460.24	464.36	448.13	41.5	42.1	41.0	11.09	11.03	10.93
Food and kindred products	436.85	457.80	438.78	40.3	42.0	41.2	10.84	10.90	10.65
Printing and publishing	553.62	556.00	510.90	41.1	41.4	39.3	13.47	13.43	13.00
Chemicals and allied products	561.60	555.13	551.68	43.2	43.1	43.1	13.00	12.88	12.80
Rubber and misc. plastics products	358.70	352.79	338.55	42.4	42.2	40.4	8.46	8.36	8.38
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	568.99	582.08	546.35	40.7	41.4	40.5	13.98	14.06	13.49
WHOLESALE TRADE	343.36	346.63	345.98	37.2	37.8	38.4	9.23	9.17	9.01
RETAIL TRADE[h]	175.97	193.15	164.95	28.2	29.9	28.1	6.24	6.46	5.87
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	257.48	253.60	249.72	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	339.08	337.76	321.71	34.6	34.5	33.9	9.80	9.79	9.49

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	4,449	4,516	7,909
Active File of Job Seekers	31,742	30,880	38,242
Referrals to Jobs	1,701	1,845	2,409
Placements	308	578	421
Job Openings Received	1,197	1,080	1,556
Job Openings Unfilled	2,395	1,997	4,364
Unemployment Insurance Program			
Initial Claims	7,396	7,364	8,729
Continued Claims	51,216	47,664	56,798
First Payments	4,173	2,835	4,271
Last Payments	538	584	655
Weeks Compensated	45,707	36,977	46,682
Benefits Paid	$7,167,383	$5,811,787	$6,934,649
Average Weekly Payment	$159.29	$160.41	$152.05

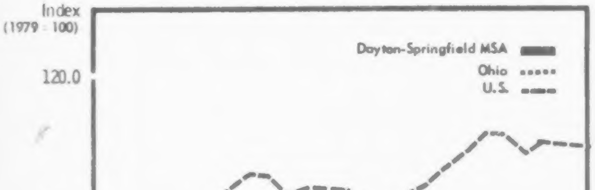
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



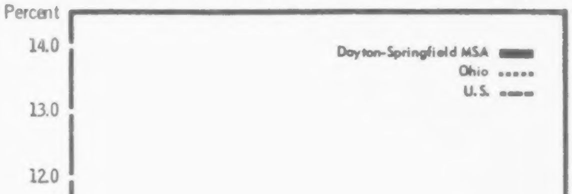
Nonagricultural wage and salary employment in the Dayton-Springfield area declined 9,300, for a total of 426,600 in January. Most of the loss occurred in nonmanufacturing industries, down 8,700, due to seasonal reductions in retail trade, construction, and services. Scattered losses in durable- and nondurable-goods industries lowered the manufacturing workforce 600 over the month, to 102,600. Production workers earned an average hourly wage of $12.01 in January, down $.07 from December. Their average workweek was 42.1 hours, .7 hours shorter.

Since January 1987, nonagricultural wage and salary employment increased 7,400. Services, retail trade, and construction contributed most to the growth. Manufacturing employment dropped 1,300 over the year from losses in durable-goods industries, especially transportation equipment and nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

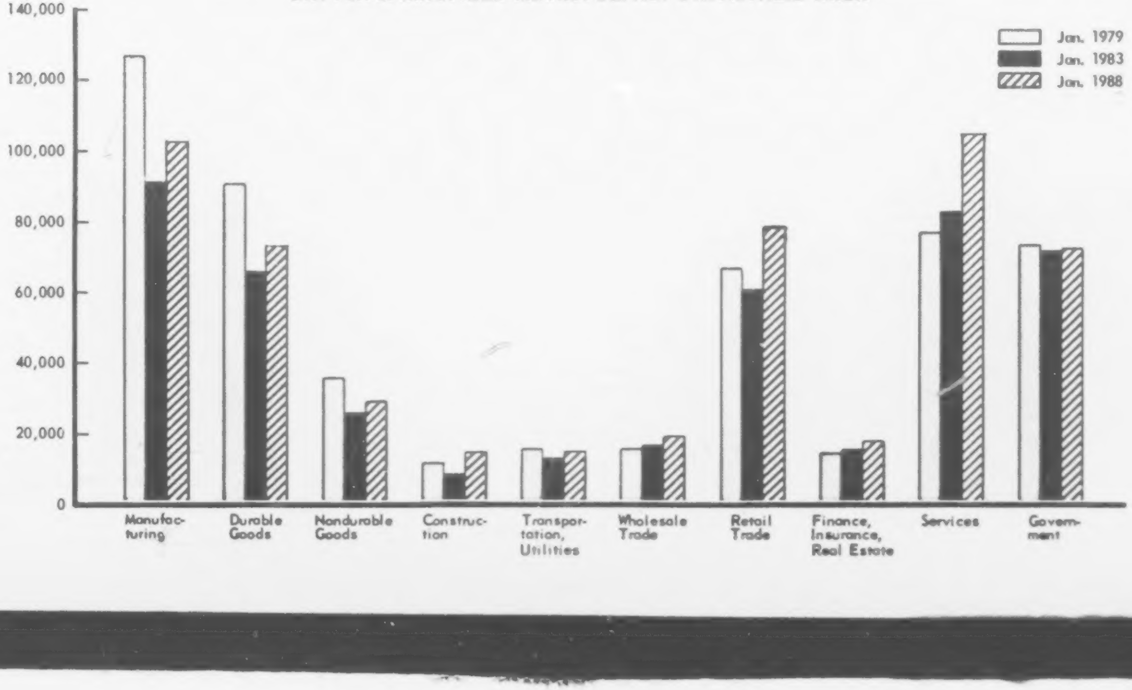


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0*	431.6*	30.4*	6.6*	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1986						
468.0*	437.9*	30.0*	6.4*	December	427.1	105.0	67.9	509.32	42.8	11.90
				1987						
458.4	427.6	30.8	6.7	January	419.2	103.9	66.9	500.22	42.0	11.91
460.1	426.7	33.5	7.3	February	419.5	103.0	66.4	505.56	42.2	11.98
455.5	427.8	27.8	6.1	March	421.9	103.3	66.4	494.15	41.7	11.85
460.8	434.8	26.0	5.6	April	426.5	103.9	67.0	486.10	41.3	11.77
464.3	437.5	26.8	5.8	May	429.3	104.0	67.0	486.04	41.4	11.74
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
INA	INA	INA	INA	January	426.6	102.6	65.7	505.62	42.1	12.01

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	426.6	435.9	419.2	- 9.3	7.4
MANUFACTURING	102.6	103.2	103.9	- .6	- 1.3
Durable Goods[e]	73.6	74.0	75.1	- .4	- 1.5
Fabricated metal products	8.2	8.3	8.5	.0	- .2
Machinery, except electrical	30.5	30.3	30.9	.1	- .4
Metalworking machinery	6.6	6.6	6.8	.0	- .2
General industrial machinery	2.7	2.7	2.6	.0	.1
Electric and electronic equipment	5.7	5.7	5.8	.0	- .1
Electrical industrial apparatus	3.4	3.4	3.4	.0	- .1
Transportation equipment	20.1	20.4	21.1	- .3	- .9
Nondurable Goods[f]	29.0	29.2	28.7	- .2	.3
Food and kindred products	2.8	2.8	2.7	- .1	.1
Paper and allied products	6.0	6.0	5.6	.0	.4
Printing and publishing	8.6	8.7	8.5	- .1	.1
Rubber and misc. plastics products	8.0	8.0	8.2	.0	- .3
NONMANUFACTURING[g]	324.1	332.7	315.3	- 8.7	8.7
CONSTRUCTION	15.1	17.0	14.0	- 1.9	1.2
TRANSPORTATION AND PUBLIC UTILITIES	15.1	15.4	15.0	- .3	.1
Communication, electric, gas services	5.4	5.4	5.7	- .0	- .3
WHOLESALE TRADE	18.7	18.9	18.2	- .2	.5
Wholesale trade-durable goods	12.4	12.5	12.0	- .1	.4
RETAIL TRADE	78.7	82.4	76.0	- 3.7	2.7
General merchandise stores	12.5	13.9	12.2	- 1.4	.3
FINANCE, INSURANCE, AND REAL ESTATE	17.7	17.8	17.3	- .1	.4
Banking	4.1	4.2	4.4	- .1	- .2
Credit agencies other than banks	4.8	4.7	4.5	.0	.3
Insurance carriers	2.7	2.8	3.0	.0	- .3
SERVICES	105.0	106.3	100.5	- 1.3	4.5
Business services	25.8	26.4	24.1	- .6	1.7
Health services	35.9	36.2	35.1	- .3	.8
Hospitals	18.5	18.6	18.4	- .1	.1
Educational services	7.8	7.9	7.7	- .1	.1
GOVERNMENT	73.4	74.5	74.0	- 1.1	- .6
Federal government	28.2	28.5	27.6	- .3	.6
State government	7.1	7.3	6.9	- .2	.2
State government education[i]	4.2	4.5	4.1	- .3	.1
State government, except education	3.0	2.9	2.8	.1	.2
Local government	38.1	38.7	39.5	- .6	- 1.4
Local government education	23.6	24.2	25.1	- .5	- 1.5
Local government, except education	14.4	14.6	14.3	- .1	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

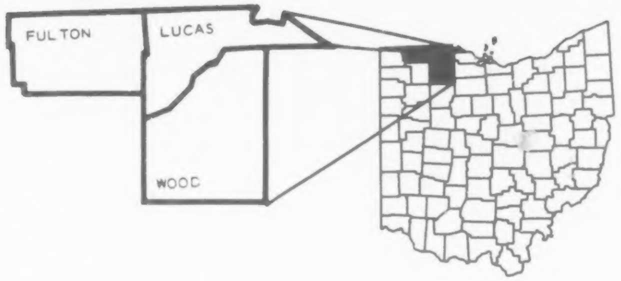
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$505.62	$517.02	$500.22	42.1	42.8	42.0	$12.01	$12.08	$11.91
Durable Goods[e]	509.88	521.30	507.41	42.0	42.8	41.9	12.14	12.18	12.11
Fabricated metal products	404.49	402.69	374.40	43.4	43.3	40.0	9.32	9.30	9.36
Machinery, except electrical	547.41	564.99	544.00	42.6	43.9	42.6	12.85	12.87	12.77
Metalworking machinery	551.44	563.58	516.89	45.2	46.5	43.4	12.20	12.12	11.91
General industrial machinery	437.30	509.81	391.56	41.1	45.6	39.0	10.64	11.18	10.04
Electric and electronic equipment	465.43	460.29	409.26	47.3	47.6	43.4	9.84	9.67	9.43
Electrical industrial apparatus	546.59	527.42	483.57	49.6	49.2	44.9	11.02	10.72	10.77
Transportation equipment	597.63	608.85	601.27	40.6	41.0	41.9	14.72	14.85	14.35
Nondurable Goods[f]	489.20	504.61	477.41	42.1	42.8	42.1	11.62	11.79	11.34
Food and kindred products	343.51	353.18	356.87	40.7	41.6	43.1	8.44	8.49	8.28
Paper and allied products	513.93	525.34	505.04	46.3	47.2	47.2	11.10	11.13	10.70
Printing and publishing	426.66	426.09	412.56	39.0	38.7	38.2	10.94	11.01	10.80
Rubber and misc. plastics products	611.65	634.69	577.74	41.3	42.2	40.6	14.81	15.04	14.23
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	538.00	544.71	514.04	40.0	40.2	39.3	13.45	13.55	13.08
WHOLESALE TRADE	411.20	420.24	396.80	40.0	40.8	40.0	10.28	10.30	9.92
RETAIL TRADE[h]	155.31	162.17	153.14	27.2	28.5	27.2	5.71	5.69	5.63
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	375.18	375.18	361.89	34.9	34.9	34.4	10.75	10.75	10.52

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	2,375	2,812	2,978
Active File of Job Seekers	19,360	18,778	25,114
Referrals to Jobs	853	1,563	1,179
Placements	165	734	200
Job Openings Received	559	1,028	1,000
Job Openings Unfilled	2,041	1,925	1,432
Unemployment Insurance Program			
Initial Claims	4,679	5,318	5,374
Continued Claims	34,438	30,010	37,529
First Payments	2,569	2,033	2,418
Last Payments	394	453	472
Weeks Compensated	27,932	22,919	30,687
Benefits Paid	$3,978,584	$3,202,788	$4,254,846
Average Weekly Payment	$145.59	$142.97	$141.72

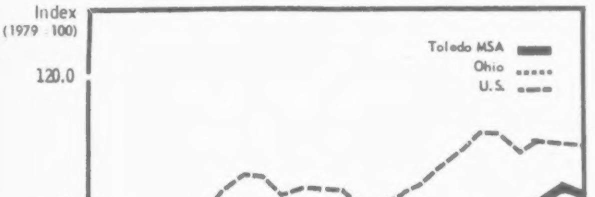
TOLEDO
METROPOLITAN
STATISTICAL
AREA



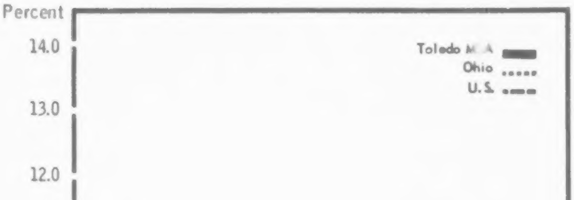
Toledo area nonagricultural wage and salary employment declined 7,500, for a total of 281,100 in January. Nonmanufacturing employment decreased 7,200 over the month with the loss of seasonal jobs in retail trade, services, construction, and state government education. Manufacturing employment, at 62,200, was down slightly from December, due to scattered declines in durable- and nondurable-goods employment. Production workers averaged $13.08 per hour, up $.22 from last month. The average workweek, 44.0 hours, was .7 hours longer.

From January 1987 to January 1988, nonfarm employment rose 9,900. Much of the improvement occurred in nonmanufacturing industries, especially services, retail trade, and construction. Manufacturing employment increased 300 jobs as advances in nondurable goods outweighed losses in durable goods.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

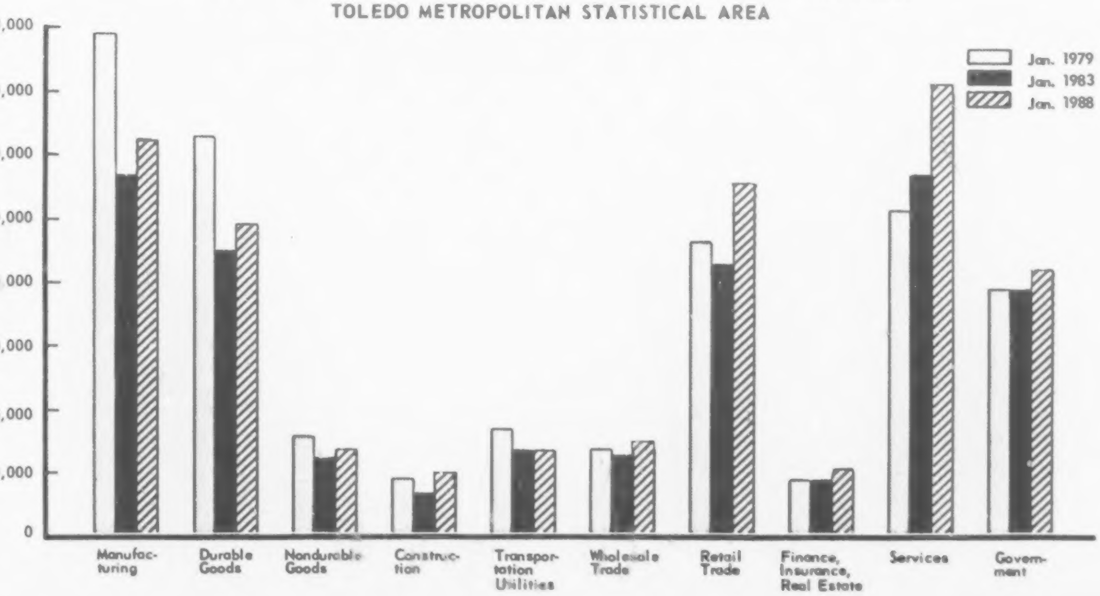


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Hours and Earnings: Average Weekly Hours	Hours and Earnings: Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0*	282.2*	25.9*	8.4*	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1986						
313.7*	289.1*	24.5*	7.8*	December	278.3	61.9	43.7	538.40	42.9	12.55
				1987						
305.5	278.7	26.8	8.8	January	271.2	61.9	43.7	554.63	43.5	12.75
306.1	278.0	28.1	9.2	February	271.5	61.8	43.4	547.78	43.2	12.68
303.4	279.0	24.4	8.0	March	273.4	61.9	43.6	543.56	42.8	12.70
307.9	284.8	23.0	7.5	April	277.4	62.0	43.8	537.21	42.4	12.67
310.3	287.5	22.8	7.3	May	280.2	61.8	43.4	532.55	41.9	12.71
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
INA	INA	INA	INA	January	281.1	62.2	44.6	575.52	44.0	13.08

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	281.1	288.6	271.2	-7.5	9.9
MANUFACTURING	62.2	62.5	61.9	-.3	.3
Durable Goods[e]	48.0	48.0	48.3	-.1	-.3
Stone, clay, and glass products	8.2	8.1	8.0	.1	.1
Primary metal industries	3.4	3.4	3.6	.0	-.2
Fabricated metal products	7.5	7.5	7.7	.0	-.3
Metal forgings and stampings	3.3	3.3	3.4	.0	-.1
Machinery, except electrical	6.1	6.1	5.9	.1	.2
Electric and electronic equipment	2.4	2.5	2.7	.0	-.3
Transportation equipment	15.6	15.8	16.0	-.1	-.3
Motor vehicles and equipment	14.7	14.8	15.0	-.1	-.3
Nondurable Goods[f]	14.2	14.4	13.6	-.3	.6
Food and kindred products	3.7	3.8	3.5	-.1	.2
Rubber and misc. plastics products	3.0	3.0	2.8	.0	.2
NONMANUFACTURING[g]	218.9	226.1	209.3	-7.2	9.6
CONSTRUCTION	10.2	11.4	9.0	-1.2	1.2
TRANSPORTATION AND PUBLIC UTILITIES	13.4	14.0	13.1	-.6	.3
Trucking and warehousing	5.3	5.7	5.1	-.4	.2
Communication, electric, gas services	5.0	5.0	4.9	.0	.0
WHOLESALE TRADE	14.9	14.9	14.2	.0	.7
Wholesale trade-durable goods	9.8	9.8	9.4	.0	.4
RETAIL TRADE	55.5	57.9	52.8	-2.4	2.7
General merchandise stores	7.6	8.6	8.1	-.9	-.4
FINANCE, INSURANCE, AND REAL ESTATE	11.3	11.5	11.0	-.2	.3
Banking	3.6	3.6	3.5	.0	.1
SERVICES	71.1	72.5	67.2	-1.5	3.9
Business services	15.0	15.6	13.2	-.6	1.8
Health services	27.1	27.2	26.7	-.1	.4
Hospitals	15.2	15.2	15.0	-.1	.1
GOVERNMENT	42.4	43.6	41.8	-1.2	.6
State government	15.1	16.2	15.2	-1.1	-.1
State government education[1]	11.1	12.2	11.2	-1.1	-.1
State government, except education	4.0	4.0	4.0	.0	.0
Local government	24.6	24.8	23.9	-.2	.8
Local government education	14.3	14.4	13.7	-.1	.6
Local government, except education	10.3	10.4	10.2	-.1	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

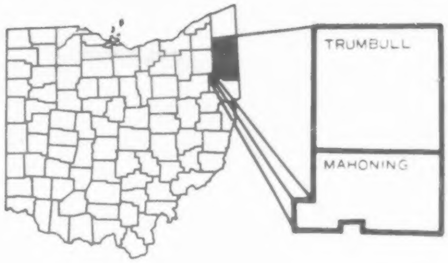
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$575.52	$556.84	$554.63	44.0	43.3	43.5	$13.08	$12.86	$12.75
Durable Goods[e]	601.18	579.39	584.33	44.4	43.4	44.1	13.54	13.35	13.25
Stone, clay, and glass products	509.74	536.34	532.98	40.2	42.0	42.3	12.68	12.77	12.60
Primary metal industries	483.75	491.63	521.21	43.0	43.7	45.6	11.25	11.25	11.43
Fabricated metal products	602.64	579.46	558.30	46.5	45.2	44.7	12.96	12.82	12.49
Metal forgings and stampings	773.76	774.95	680.09	49.6	49.9	47.0	15.60	15.53	14.47
Machinery, except electrical	518.40	545.22	490.45	43.2	44.8	42.5	12.00	12.17	11.54
Electric and electronic equipment	561.92	457.46	548.49	43.9	38.9	43.6	12.80	11.76	12.58
Transportation equipment	738.26	684.56	701.31	45.6	43.0	45.1	16.19	15.92	15.55
Motor vehicles and equipment	744.45	688.86	704.01	45.7	43.0	45.1	16.29	16.02	15.61
Nondurable Goods[f]	481.38	472.86	451.78	42.6	42.6	41.6	11.30	11.10	10.86
Food and kindred products	573.87	526.25	549.05	45.8	43.1	44.1	12.53	12.21	12.45
Rubber and misc. plastics products	348.61	347.77	328.46	41.6	41.5	40.5	8.38	8.38	8.11
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	615.30	622.03	577.62	41.8	42.2	41.2	14.72	14.74	14.02
WHOLESALE TRADE	373.46	367.86	345.58	38.7	38.6	37.4	9.65	9.53	9.24
RETAIL TRADE[h]	160.42	164.87	153.73	28.8	29.6	27.9	5.57	5.57	5.51

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	1,997	2,084	2,446
Active File of Job Seekers	17,188	16,555	23,403
Referrals to Jobs	797	1,094	701
Placements	239	492	113
Job Openings Received	411	425	258
Job Openings Unfilled	611	771	661
Unemployment Insurance Program			
Initial Claims	5,438	5,111	6,442
Continued Claims	28,104	25,589	33,460
First Payments	2,075	1,596	2,356
Last Payments	351	359	455
Weeks Compensated	21,706	17,359	28,480
Benefits Paid	$3,202,359	$2,506,149	$4,173,521
Average Weekly Payment	$150.97	$148.55	$150.08

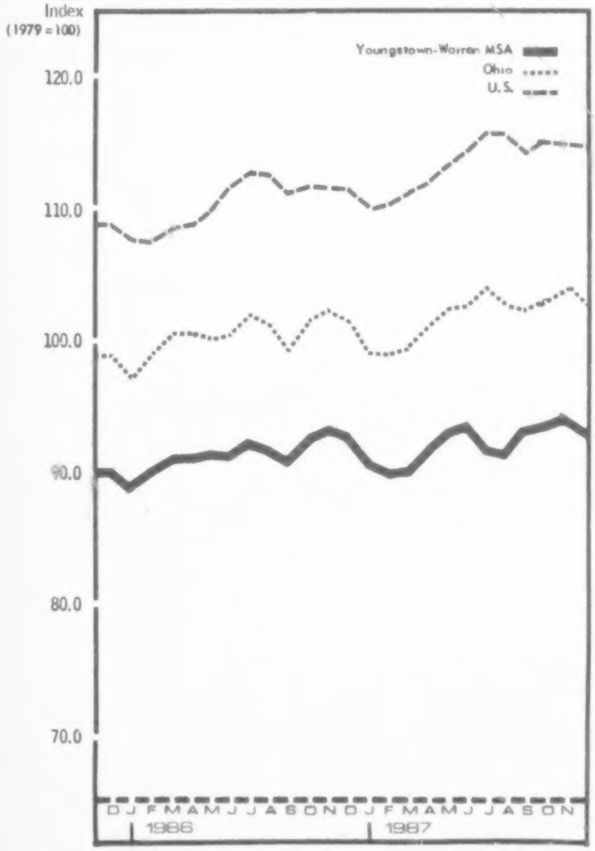
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



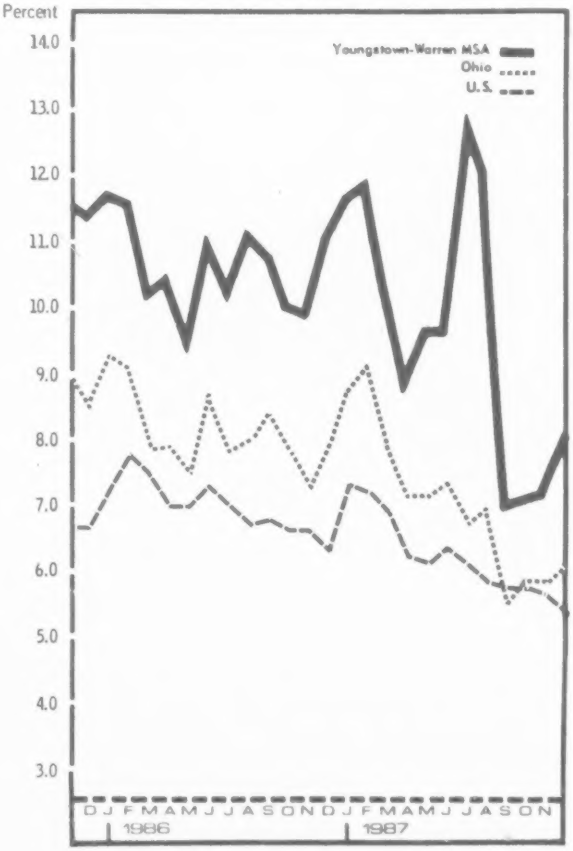
Youngstown-Warren metropolitan area nonagricultural employment, at 187,100 in January, was 4,400 lower than the December 1987 level. Nonmanufacturing industries declined 4,200 due primarily to seasonal reductions in retail trade, construction, and state and local government education. Declines in durable-goods industries lowered manufacturing employment 300 from December, to 49,100. Production workers averaged $13.41 per hour, down slightly from December. They worked .3 hours longer, for an average workweek of 42.0 hours.

Total nonagricultural employment advanced 3,200 since January 1987. The growth occurred in nonmanufacturing industries, especially in retail and wholesale trade and services. Manufacturing employment showed a modest decrease as scattered losses in durable goods, especially transportation equipment, overshadowed gains in nondurable goods.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

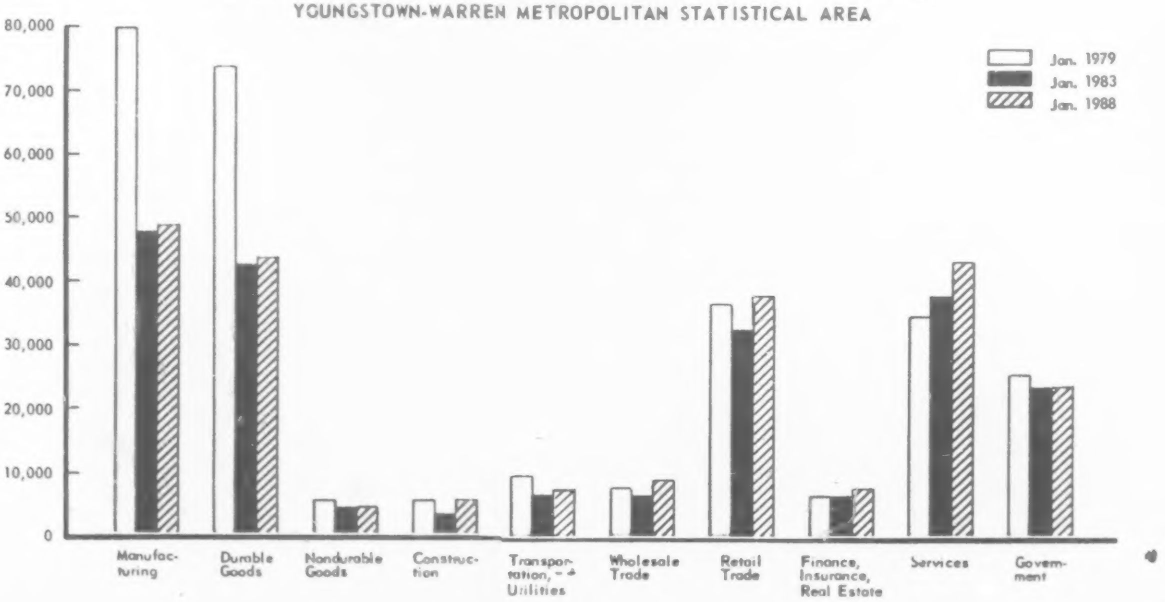


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9*	201.1*	23.8*	10.6*	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1986						
228.7*	203.6*	25.1*	11.0*	December	188.9	51.0	38.4	579.58	42.9	13.51
				1987						
221.7	195.8	25.9	11.7	January	183.9	49.2	36.9	577.37	42.8	13.49
222.2	195.5	26.8	12.0	February	184.3	49.3	36.9	580.13	43.1	13.46
217.9	195.5	22.4	10.3	March	185.2	49.6	37.2	579.79	43.3	13.39
218.4	199.1	19.3	8.8	April	187.4	49.7	37.4	571.94	43.1	13.27
223.0	201.5	21.5	9.7	May	189.6	49.1	36.8	565.78	42.7	13.25
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
INA	INA	INA	INA	January	187.1	49.1	37.3	563.22	42.0	13.41

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the February 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1988[b]	December 1987[c]	January 1987[c]	From Last Month	From Last Year
TOTAL	187.1	191.5	183.9	- 4.4	3.2
MANUFACTURING	49.1	49.4	49.2	- .3	- .1
Durable Goods[e]	43.8	44.3	44.2	- .5	- .4
Primary metal industries	18.0	18.3	18.1	- .3	- .1
Blast furnace and basic steel products	5.6	5.6	5.5	.0	.1
Fabricated metal products	7.5	7.5	7.2	.0	.2
Machinery, except electrical	3.6	3.6	3.7	.0	- .1
Electric and electronic equipment	2.2	2.2	2.4	.0	- .1
Transportation equipment	9.5	9.5	10.0	- .1	- .5
Nondurable Goods[f]	5.3	5.1	5.0	.2	.3
NONMANUFACTURING[g]	138.0	142.1	134.7	- 4.2	3.3
CONSTRUCTION	6.2	7.3	5.5	- 1.1	.6
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.6	7.5	- .1	.0
Communication, electric, gas services	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	9.7	9.9	8.9	- .2	.8
Wholesale trade-durable goods	6.1	6.2	5.6	- .1	.5
RETAIL TRADE	38.6	40.1	37.5	- 1.6	1.1
General merchandise stores	5.4	5.8	5.6	- .4	- .2
FINANCE, INSURANCE, AND REAL ESTATE	8.1	8.2	8.1	- .1	.0
Banking	2.8	2.8	2.8	.0	.1
SERVICES	43.4	43.8	42.3	- .4	1.2
Health services	19.5	19.6	19.0	.0	.5
Hospitals	10.1	10.1	10.0	.0	.1
GOVERNMENT	24.0	24.6	24.3	- .6	- .3
State government	4.0	4.4	4.0	- .3	.0
State government education[i]	2.6	2.9	2.5	- .3	.0
State government, except education	1.5	1.5	1.5	.0	.0
Local government	17.8	18.1	18.1	- .3	- .3
Local government education	11.6	11.9	11.8	- .3	- .2
Local government, except education	6.2	6.2	6.3	.0	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]	Jan. 1988[b]	Dec. 1987[c]	Jan. 1987[c]
MANUFACTURING	$563.22	$560.03	$577.37	42.0	41.7	42.8	$13.41	$13.43	$13.49
Durable Goods[e]	578.24	574.14	594.78	42.3	42.0	43.1	13.67	13.67	13.80
Primary metal industries	615.30	617.19	604.20	42.0	41.9	42.4	14.65	14.73	14.25
Blast furnace and basic steel products	632.50	632.50	631.37	45.9	45.9	44.4	13.78	13.78	14.22
Fabricated metal products	562.53	532.88	587.24	42.2	40.4	42.4	13.33	13.19	13.85
Machinery, except electrical	499.82	479.65	469.04	43.2	41.6	41.0	11.57	11.53	11.44
Electric and electronic equipment	462.26	466.65	414.00	42.1	42.5	38.8	10.98	10.98	10.67
Transportation equipment	634.86	630.38	717.16	43.1	43.0	47.4	14.73	14.66	15.13
Nondurable Goods[f]	399.25	412.51	389.44	38.5	39.1	39.1	10.37	10.55	9.96
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	.....	....	....	.....	.....	.....
Communication, electric, gas services	537.37	550.25	525.63	39.6	40.4	39.7	13.57	13.62	13.24
WHOLESALE TRADE	348.89	353.73	341.05	37.8	38.2	38.8	9.23	9.26	8.79
RETAIL TRADE[h]	172.22	179.10	168.19	28.8	30.1	29.2	5.98	5.95	5.76

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1988	December 1987	January 1987
Employment Service Program			
New Applicants	2,174	1,674	1,967
Active File of Job Seekers	15,946	15,180	28,585
Referrals to Jobs	1,633	1,208	1,033
Placements	419	581	249
Job Openings Received	576	699	364
Job Openings Unfilled	419	426	455
Unemployment Insurance Program			
Initial Claims	5,833	5,632	11,612
Continued Claims	26,119	24,177	41,670
First Payments	2,328	1,819	3,729
Last Payments	334	263	406
Weeks Compensated	22,765	18,691	34,011
Benefits Paid	$3,198,729	$2,603,000	$4,869,509
Average Weekly Payment	$144.01	$143.37	$150.05

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark. Employment data for 1987 will be revised at the next benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free, rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	January 1988	December 1987	January 1987
New Applicants	40,602	36,467	48,475
Active File of Job Seekers	278,099	261,242	375,353
Counseling Interviews	1,069	1,235	1,632
Tests Administered	6,835	5,346	3,277
General Aptitude Tests	543	375	299
Proficiency Tests	469	358	575
Specific Aptitude Tests	1,688	1,377	408
Referrals to Jobs	20,091	18,817	19,338
Placements	3,603	5,980	3,772
Job Openings Received	8,399	8,930	9,021
Job Openings Unfilled	16,301	15,534	16,995

Selected Unemployment Insurance Activities

	January 1988	December 1987	January 1987
Initial Claims	87,845	88,767	105,164
Continued Claims	549,700	489,154	665,038
First Payments	44,622	30,107	50,812
Last Payments	6,176	5,944	8,259
Average Weekly Claimants	132,314	95,067	149,896
Average Weekly Benefit Recipients	101,593	75,329	116,003
Weeks Compensated	449,708	359,573	545,308
Benefits Paid	$67,287,861	$53,088,604	$79,962,329
Average Weekly Payment	$153.48	$151.41	$151.19
Continued Claims for Survey Week	135,584	96,366	148,681
Insured Unemployment Rate	3.1	2.2	3.6
Net Contributions	$24,396,020	$6,715,484	$24,010,825
Active Employer Accounts	198,003	197,855	194,291

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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Ohio
Labor
Market
Information

Labor Market Review

February 1988

Summary. The seasonally adjusted unemployment rate in Ohio was 6.4 percent in February, about the same as the January rate of 6.5 percent. The U.S. unemployment rate was 5.8 percent in January compared to 5.7 percent in February. Total employment in Ohio rose 30,000, to reach a record high of 5,013,000. There were 342,000 jobless Ohioans in February, down 5,000 from January Seasonally adjusted nonagricultural wage and salary employment in Ohio increased 12,000 from January, to 4,666,000 in February. (See Page 3.)

Factory Employment. Ohio's manufacturing employment, at 1,104,000 in February, declined slightly from January. The decrease occurred in nondurable-goods employment, down from 366,000 to 365,000 over the month. Employment in durable goods was unchanged at 739,000.

Nonmanufacturing. Nonmanufacturing employment rose 13,000 from January, to 3,562,000 in February. The largest increases were in retail trade (+5,000), services (+4,000), and government (+3,000). Employment in construction was up slightly. All other divisions were unchanged except transportation and public utilities, which was down 1,000.

Over the Year. Total employment in Ohio increased 163,000 between February 1987 and February 1988. Unemployment dropped by 103,000 during the period, lowering the unemployment rate from 8.4 percent to 6.4 percent. The national rate dropped from 6.6 percent to 5.7 percent. Nonfarm payroll employment was up 117,000 from February 1987. Services gained 43,000 jobs, while retail trade increased 27,000. Construction employment, up 18,000, also showed strong improvement. All other nonmanufacturing industries had small-to-moderate gains except mining, which dropped 1,000. An increase of 9,000 in nondurable-goods employment was partially offset by losses in durable-goods industries, raising manufacturing employment 5,000 from February 1987.

Factory Hours and Earnings. Production workers in Ohio manufacturing had average weekly earnings of $504.90 in February, down $2.71 from January. Their average workweek was reduced .3 hours, to 42.5 hours. Earnings were down in nearly all nondurable-goods industries. The largest decreases occurred in chemicals, food and kindred products, and paper and allied products. In durable-goods industries, increased earnings in metal forgings and stampings were more than offset by losses in motor vehicles and equipment and iron and steel foundries.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 56,872 in February, down 35.3 percent from January, and down 5.3 percent from February 1987. Total benefits paid rose 9.1 percent, to $73.4 million. The average benefit check of $156.82 was $3.34 higher. The average weekly number of benefit recipients increased 17.4 percent, to 119,232. There were 197,625 active employer accounts at the end of February.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Grace Kilbane, Acting Administrator

Employment Service. The Ohio Bureau of Employment Services assisted 38,003 new job applicants in February, down 6.4 percent from January, and down 10.8 percent from February 1987. The number of job openings received, at 9,454, was up 12.6 percent from January. The Employment Services Division made 20,640 job referrals and 4,802 placements.

Bank on OBES

Are you having difficulty locating the workers you need? You might be able to solve this problem by putting your job openings in the National Job Bank System through the Ohio Bureau of Employment Services.

A few facts about the National Job Bank System:
- It is part of the largest computerized network of job openings in the United States.
- It operates on three levels to fill your need for workers; locally, statewide, and interstate-wide.
- It can provide national exposure of your job order without cost to you.

For further information, contact your nearest OBES office.

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Federal Budget Cuts Eliminate Employment Data For Canton MSA

The Ohio Bureau of Employment Services has been informed by the U. S. Bureau of Labor Statistics that, because of funding cuts contained in the federal budget for Fiscal Year 1988 passed by Congress last December, OBES will no longer be funded to produce the nonagricultural wage and salary data for the Canton Metropolitan Statistical Area. These data include the monthly and annual employment, hours and earnings estimates by industry which appear beginning on page 20 of this issue of the *Labor Market Review*.

Because the nonagricultural wage and salary employment data are used in preparing labor force and total employment estimates for metropolitan areas, the Bureau of Labor Statistics has also dropped the Canton MSA from its national labor force data base beginning with data for January 1988.

The Canton MSA is one of 22 metropolitan areas affected by these budget cuts (see table on next page), and is by far the largest area affected. The Canton area includes Stark and Carroll counties, and had 148,900 nonfarm payroll jobs in 1986, placing it twenty-first among the fifty-eight metropolitan areas in the Great Lakes region.

The Bureau of Employment Services plans to continue the production of the Canton area data through the remainder of this federal fiscal year, that is, through September 1988. We are able to do this because of funding available from another federal grant which received a one-time increase for this year. We have no assurance that this alternative funding will be available beyond September. Despite our plan to continue to produce the data, the Bureau of Labor Statistics has informed us that they will not validate these estimates nor include them in their nationally published and distributed data base. The Canton MSA and 21 other MSA's will therefore disappear from major data sources used in economic analysis, site location, market research, and for other important purposes.

If funding is not available for federal Fiscal Year 1989, this valuable data for one of Ohio's major metropolitan areas will be permanently lost. Further cuts could result in loss of similar data for the Youngstown-Warren area and other areas.

Additional information about the impact of this funding cut may be obtained by contacting the Labor Market Information Division using the address or telephone number shown on the back of this issue of the *Labor Market Review*.

Dixie Sommers
Director
Labor Market Information Division

Metropolitan Areas Affected By CES Budget Cuts

MSA	State	1986 CES Average Employment	Rank
Canton	***Ohio***	***190.3***	***1***
Lakeland-Winter Haven	Florida	169.6	2
Salinas-Seaside-Monterey	California	151.2	3
Gainesville	Florida	100.0	4
Tyler	Texas	75.8	5
Lake Charles	Louisiana	75.7	6
New Britain	Connecticut	74.5	7
Jackson	Michigan	61.5	8
Odessa	Texas	59.8	9
State College	Pennsylvania	57.4	10
Vineland-Millville-Bridgeton	New Jersey	56.8	11
Albany	Georgia	56.4	13
Iowa City	Iowa	56.4	12
Glens Falls	New York	52.0	14
Sheboygan	Wisconsin	51.9	15
Kokomo	Indiana	50.2	16
Sharon	Pennsylvania	49.3	17
Kankakee	Illinois	44.5	18
St. Joseph	Missouri	41.3	19
Pittsfield	Massachusetts	40.9	20
Victoria	Texas	38.2	21
Rapid City	South Dakota	37.9	22

Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Feb. 1988	Jan. 1988	Feb 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,355	5,330	5,295	25	60	0.5	1.1
Employment	5,013	4,983	4,850	30	163	0.6	3.4
Unemployment	342	347	445	-5	-103	-1.4	-23.1
Unemployment Rate	6.4	6.5	8.4				
Employer Survey Data[e]							
Total	4,666	4,654	4,549	12	117	0.3	2.6
Manufacturing	1,104	1,104	1,099	-1	5	-0.1	0.5
Durable Goods	739	739	742	0	-3	0.0	-0.5
Nondurable Goods	365	366	357	-1	9	-0.2	2.4
Nonmanufacturing	3,562	3,550	3,451	13	112	0.4	3.2
Mining	20	20	22	0	-1	0.4	-6.4
Construction	192	191	174	1	18	0.6	10.4
Transportation and Public Utilities	207	208	206	-1	1	-0.3	0.5
Wholesale Trade	254	253	246	0	8	0.0	3.2
Retail Trade	869	864	842	5	27	0.6	3.2
Finance, Insurance and Real Estate	249	248	240	0	9	0.2	3.8
Services	1,078	1,075	1,035	4	43	0.4	4.2
Government	692	689	686	3	7	0.4	1.0
Goods Producing Industries[f]	1,316	1,316	1,295	1	22	0.0	1.7
Service Producing Industries[g]	3,350	3,338	3,255	11	95	0.3	2.9

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	U.S.			Manufacturing		
								Durable	Nondurable
					1986				
5,313	4,864	449	8.5	7.2	February	4,435	1,120	763	357
5,305	4,900	405	7.6	7.1	March	4,437	1,117	760	356
5,243	4,816	427	8.1	7.1	April	4,458	1,117	760	357
5,180	4,773	407	7.9	7.2	May	4,463	1,112	755	356
5,197	4,746	451	8.7	7.1	June	4,464	1,112	755	357
5,200	4,777	423	8.1	7.0	July	4,472	1,108	751	357
5,194	4,773	421	8.1	6.9	August	4,481	1,107	750	357
5,174	4,737	437	8.4	7.0	September	4,484	1,098	742	356
5,230	4,813	417	8.0	6.9	October	4,495	1,098	740	358
5,265	4,868	397	7.5	6.9	November	4,509	1,102	744	358
5,275	4,854	421	8.0	6.7	December	4,521	1,103	745	357
					1987				
5,276	4,849	427	8.1	6.7	January	4,532	1,096	740	356
5,295	4,850	445	8.4	6.6	February	4,549	1,099	742	357
5,237	4,838	399	7.6	6.5	March	4,552	1,093	737	356
5,236	4,854	382	7.3	6.3	April	4,552	1,096	738	357
5,277	4,884	393	7.4	6.3	May	4,560	1,094	736	357
5,251	4,874	377	7.2	6.1	June	4,568	1,092	735	357
5,252	4,886	366	7.0	6.0	July	4,567	1,082	725	358
5,234	4,873	361	6.9	6.0	August	4,589	1,095	734	360
5,181	4,891	290	5.6	5.9	September	4,597	1,097	737	360
5,215	4,900	315	6.0	6.0	October	4,610	1,097	736	361
5,263	4,945	318	6.0	5.9	November	4,626	1,100	738	362
5,264	4,937	327	6.2	5.8	December	4,639	1,103	739	364
					1988				
5,330	4,983	347	6.5	5.8	January	4,654	1,104	739	366
5,355	5,013	342	6.4	5.7	February	4,666	1,104	739	365

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1986				
3,314	25	156	202	245	February	808	226	977	676
3,320	24	156	202	244	March	810	227	981	676
3,342	23	161	203	244	April	813	229	990	677
3,351	23	161	203	244	May	815	231	996	679
3,352	22	160	198	244	June	818	232	998	679
3,364	22	160	204	244	July	820	233	1006	676
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,562	20	192	207	254	February	869	249	1078	692

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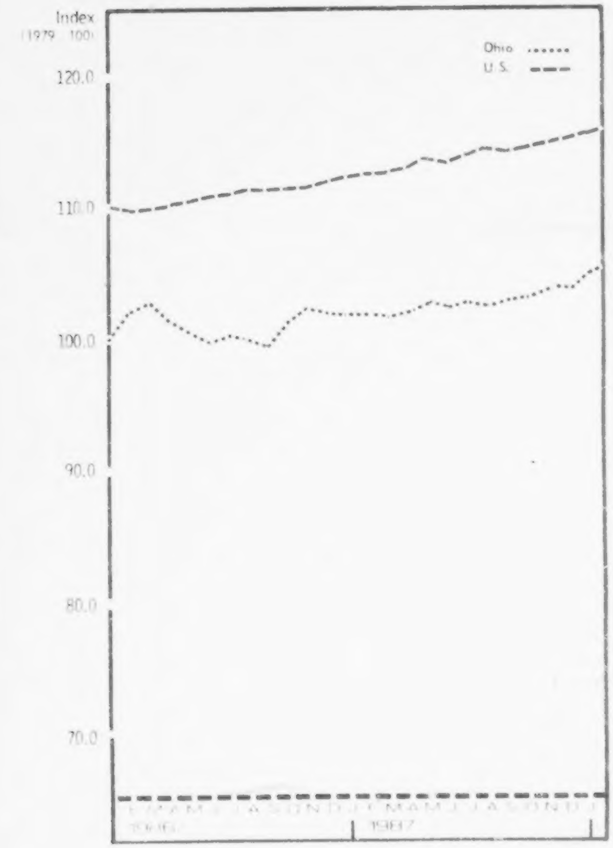
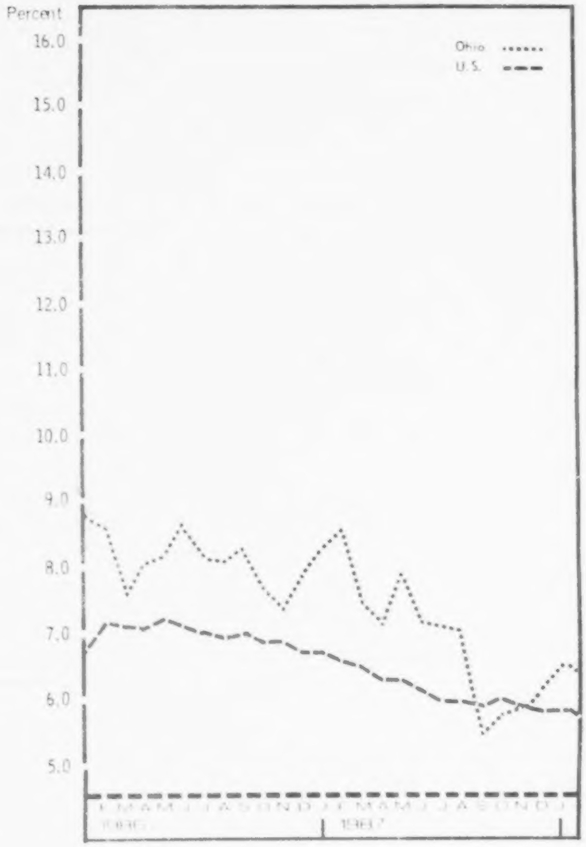
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.

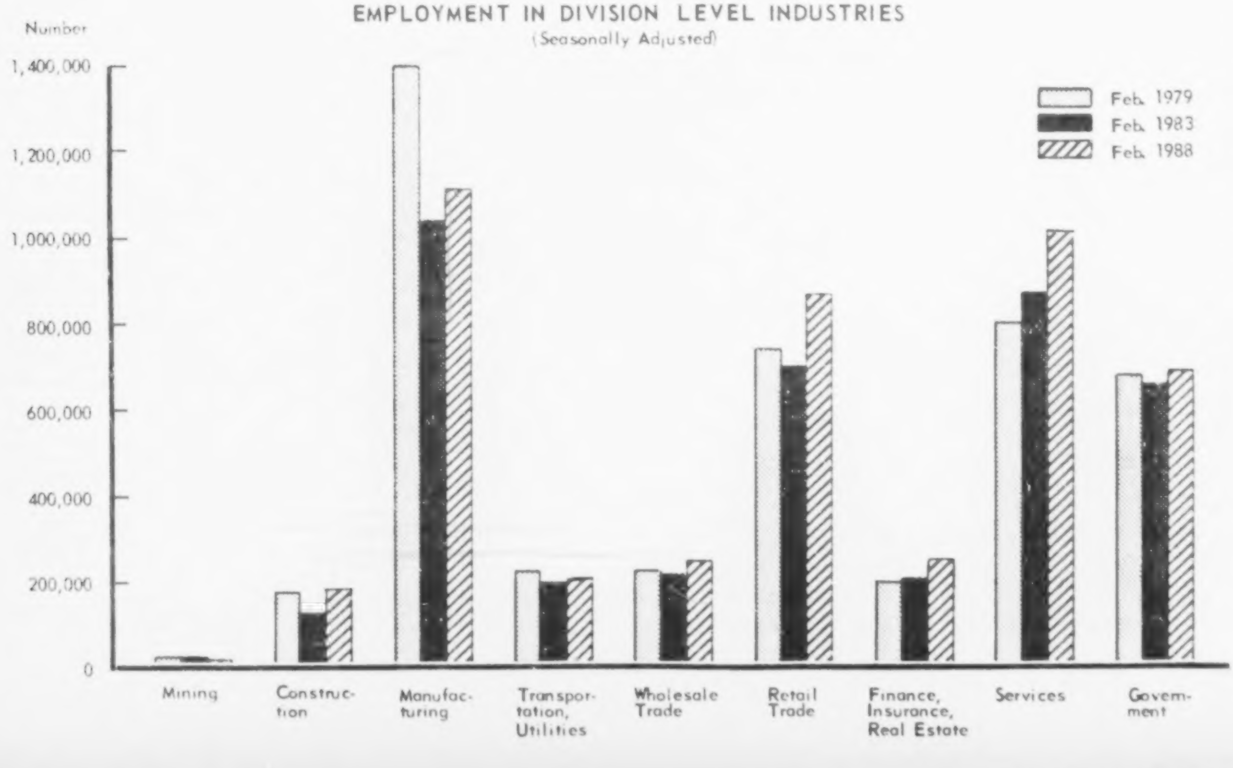
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	US				Durable	Nondurable
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,135	4,680	455	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.5
5,231	4,806	425	8.1	7.0	1986	4,471.4	1,109.8	752.7	357.1
5,248	4,881	367	7.0	6.2	1987	4,578.9	1,095.3	736.4	358.9
					1987				
5,211	4,738	473	9.1	7.2	February	4,457.9	1,088.3	736.1	352.2
5,161	4,756	406	7.9	6.9	March	4,485.0	1,086.6	733.8	352.7
5,215	4,847	368	7.1	6.2	April	4,539.2	1,093.1	738.4	354.6
5,275	4,903	372	7.1	6.1	May	4,591.6	1,094.9	738.7	356.2
5,307	4,922	385	7.3	6.3	June	4,611.6	1,097.6	739.1	358.5
5,341	4,982	359	6.7	6.1	July	4,572.3	1,084.3	725.5	358.8
5,289	4,924	365	6.9	5.8	August	4,591.0	1,097.5	733.6	363.9
5,190	4,903	288	5.5	5.7	September	4,641.3	1,108.3	742.1	366.2
5,243	4,940	302	5.8	5.7	October	4,658.8	1,099.8	736.4	363.4
5,285	4,980	305	5.8	5.6	November	4,674.2	1,103.7	740.2	363.6
5,259	4,937	322	6.1	5.4	December	4,676.9	1,102.9	738.6	364.3
					1988				
5,258	4,883	375	7.1	6.3	January	4,565.8	1,094.5	732.6	361.9
5,279	4,905	374	7.1	6.2	February	4,570.2	1,094.1	733.4	360.7

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
					1987				
3,369.6	21.1	143.9	201.7	243.0	February	811.7	237.5	1,013.5	697.2
3,398.4	20.7	150.4	202.5	244.1	March	818.6	238.5	1,021.8	701.9
3,446.2	20.7	162.2	204.8	246.2	April	830.8	240.0	1,041.3	700.2
3,496.7	20.7	175.4	207.0	248.2	May	845.8	241.8	1,053.7	704.2
3,514.0	21.1	184.4	208.5	250.4	June	851.5	244.7	1,065.9	687.5
3,487.0	21.1	192.7	208.6	250.6	July	852.8	246.8	1,068.2	647.1
3,493.5	21.1	196.8	209.1	251.1	August	858.1	247.2	1,068.6	641.4
3,533.0	21.4	196.4	209.3	251.2	September	861.1	246.1	1,074.7	672.7
3,559.0	20.7	198.6	210.0	252.4	October	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	November	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
					1988				
3,471.3	20.1	163.5	203.3	250.9	January	846.2	245.9	1,047.8	693.6
3,476.0	19.8	158.8	202.4	250.7	February	838.0	246.4	1,055.8	704.1

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Production Workers in Manufacturing

Manufacturing	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.1
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,088.3	736.1	352.2	February	741.9	370.2	31.5
1,086.6	733.8	352.7	March	741.0	369.4	31.5
1,093.1	738.4	354.6	April	746.8	368.2	31.4
1,094.9	738.7	356.2	May	747.3	371.9	31.8
1,097.6	739.1	358.5	June	748.3	373.0	31.9
1,084.3	725.5	358.8	July	735.3	356.7	30.8
1,097.5	733.6	363.9	August	749.2	368.9	31.7
1,108.3	742.1	366.2	September	760.8	380.5	32.4
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,094.1	733.4	360.7	February	750.3	378.8	31.9

Production Workers
Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
283.08	292.02	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
			1987
499.05	520.88	446.71	February
498.53	519.95	448.86	March
492.99	514.25	443.72	April
497.68	517.45	450.78	May
498.42	517.37	453.95	June
485.20	501.76	450.02	July
492.37	510.00	453.36	August
500.12	516.67	461.92	September
504.50	524.02	461.07	October
511.49	531.57	466.90	November
512.67	532.36	469.27	December
			1988
507.61	527.11	464.45	January
504.90	525.16	456.20	February

Production Workers
Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
			1987
42.4	42.8	41.4	February
42.5	42.9	41.6	March
42.1	42.5	41.2	April
42.5	42.8	41.7	May
42.6	42.9	41.8	June
41.9	42.2	41.4	July
42.3	42.5	41.9	August
42.6	42.7	42.3	September
42.9	43.2	42.3	October
43.2	43.5	42.6	November
43.3	43.6	42.7	December
			1988
42.8	43.1	42.3	January
42.5	42.8	41.7	February

Production Workers
Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods
6.74	6.92	6.24
7.29	7.49	6.73
7.84	8.06	7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
11.77	12.17	10.79
11.73	12.12	10.79
11.71	12.10	10.77
11.71	12.09	10.81
11.70	12.06	10.86
11.58	11.89	10.87
11.64	12.00	10.82
11.74	12.10	10.92
11.76	12.13	10.90
11.84	12.22	10.96
11.84	12.21	10.99
11.86	12.23	10.98
11.88	12.27	10.94

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.
Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

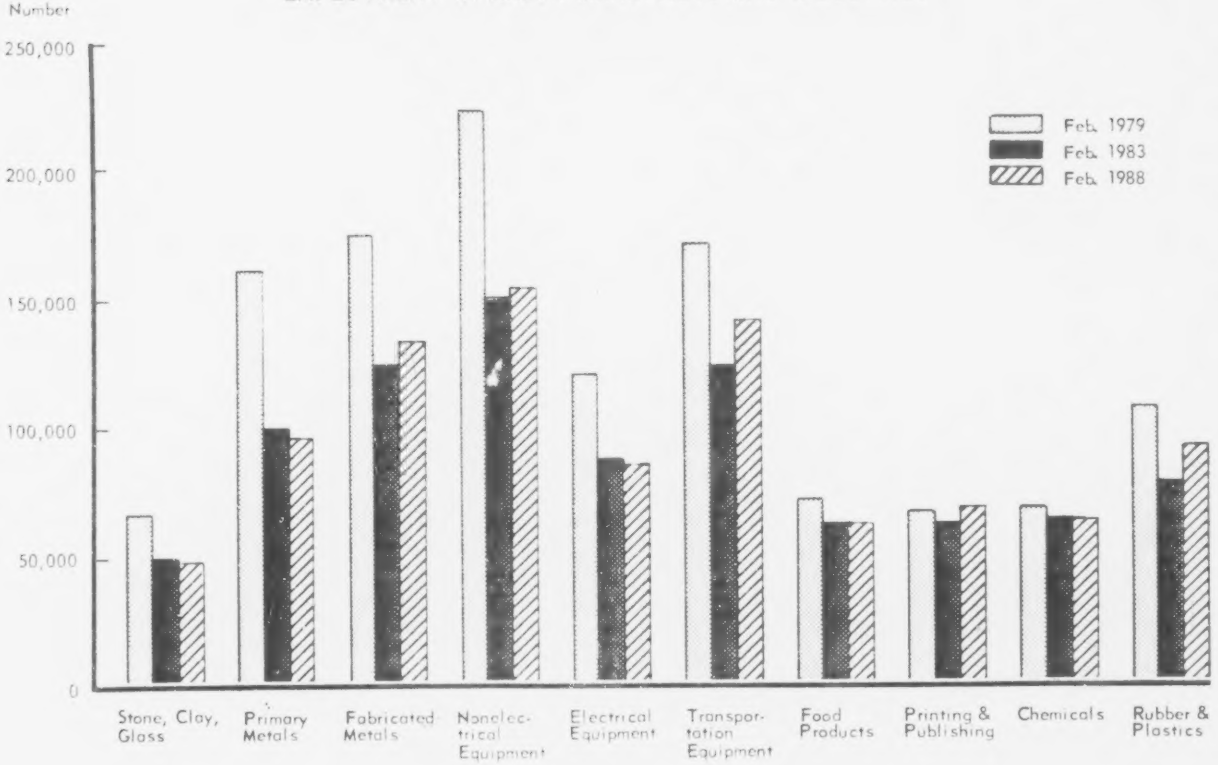
Stone Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
46.9	93.7	132.4	February	153.8	87.7	153.3	February	61.3	68.9	92.5
47.3	94.8	132.7	March	153.7	86.8	149.2	March	61.7	68.8	92.2
47.7	94.8	133.0	April	154.3	86.0	152.6	April	61.8	69.5	92.1
48.1	94.3	133.2	May	155.0	85.9	151.8	May	62.2	69.7	92.1
48.7	95.0	134.4	June	155.7	85.8	148.5	June	62.9	69.8	92.5
48.1	93.5	131.6	July	153.4	85.9	142.1	July	63.4	70.6	91.6
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.6	97.7	133.6	February	155.1	86.1	142.6	February	62.2	70.9	93.9

Average Weekly Earnings of Production Workers

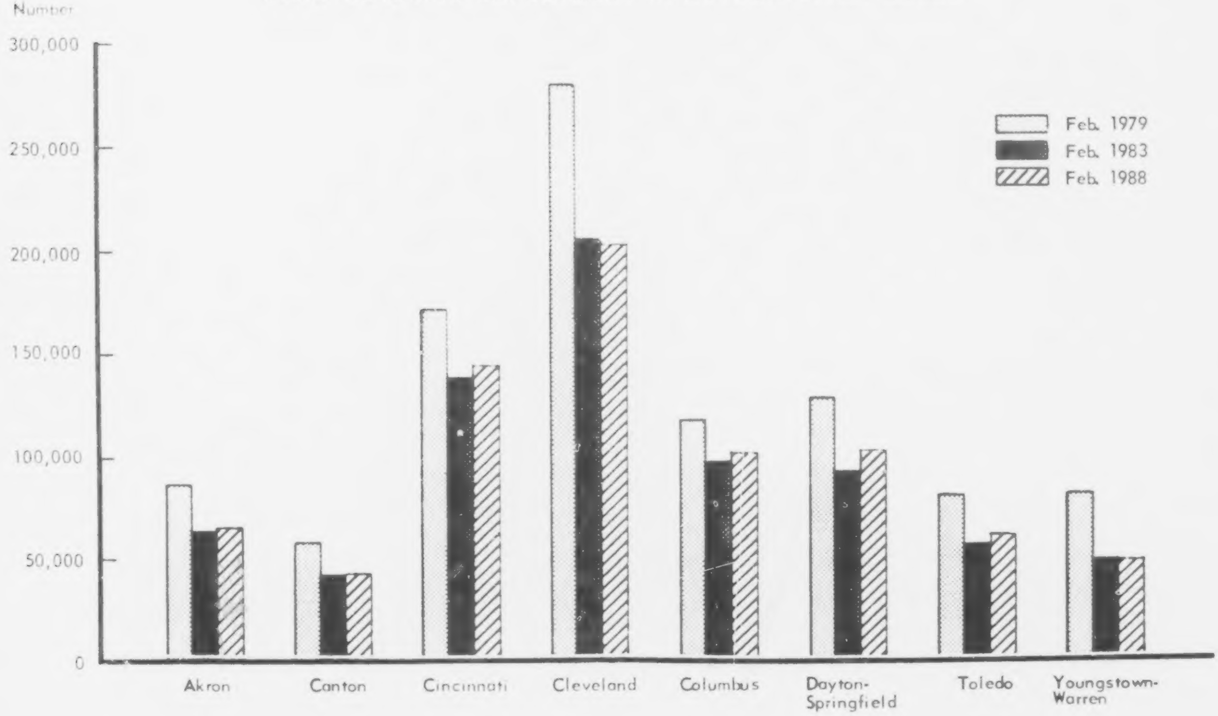
Stone Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	[illegible]	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	[illegible]	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
450.24	606.47	512.89	February	513.86	474.47	643.19	February	439.02	433.86	444.36

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	4570.2	4565.8	4457.9	4.3	112.3
MANUFACTURING	1094.1	1094.5	1088.3	-.4	5.8
Durable Goods[e]	733.4	732.6	736.1	.8	-2.7
Lumber and wood products	19.8	19.6	17.9	.2	1.9
Furniture and fixtures	14.3	14.4	14.0	-.1	.3
Stone, clay, and glass products	46.6	46.8	46.9	-.2	-.3
Glass and glassware, pressed or blown.	9.7	9.5	10.4	.3	-.7
Primary metal industries	97.7	97.5	93.7	.2	4.0
Blast furnace and basic steel products	45.0	44.9	41.9	.1	3.1
Iron and steel foundries	20.7	20.5	19.5	.1	1.1
Nonferrous rolling and drawing	17.1	16.8	16.9	.2	.2
Fabricated metal products	133.6	133.0	132.4	.6	1.2
Cutlery, hand tools, and hardware	9.6	9.8	9.5	-.2	.1
Fabricated structural metal products	28.9	29.3	27.9	-.4	1.0
Metal forgings and stampings	42.0	41.3	43.0	.7	-1.0
Machinery, except electrical	155.1	154.8	153.8	.3	1.3
Construction and related machinery	12.5	12.5	12.2	.0	.2
Metalworking machinery	39.5	39.6	40.1	-.1	-.7
Special industry machinery	16.5	16.3	16.2	.2	.2
General industrial machinery	27.8	27.6	27.5	.2	.3
Office and computing machines	13.7	13.8	13.3	-.1	.5
Refrigeration and service machinery	15.5	15.6	16.2	.0	-.7
Electric and electronic equipment	86.1	85.9	87.7	.2	-1.6
Electrical industrial apparatus	16.3	16.3	16.1	.0	.2
Household appliances	15.7	15.7	17.0	.1	-1.3
Electric lighting and wiring equipment	17.1	16.8	17.4	.3	-.3
Communication equipment	10.0	10.0	10.4	.0	-.4
Transportation equipment	142.6	143.1	153.3	-.5	-10.7
Motor vehicles and equipment	92.6	93.0	97.5	-.4	-4.9
Aircraft and parts	40.4	40.7	46.4	-.3	-6.1
Instruments and related products	23.7	23.6	22.8	.1	.9
Measuring and controlling devices	13.1	13.0	12.6	.1	.5
Nondurable Goods[f]	360.7	361.9	352.2	-1.2	8.5
Food and kindred products	62.2	62.9	61.3	-.7	.8
Meat products	9.5	9.5	9.4	.0	.1
Dairy products	10.7	10.7	10.0	-.1	.7
Preserved fruits and vegetables	10.2	10.6	10.1	-.4	.1
Bakery products	8.9	8.9	8.7	.0	.2
Beverages	9.2	9.3	9.5	-.1	-.2
Apparel and other textile products	16.4	16.2	15.6	.2	.8
Paper and allied products	37.5	37.7	36.5	-.2	1.0
Misc. converted paper products	12.1	12.2	11.8	.0	.4
Paperboard containers and boxes	13.1	13.2	12.4	-.1	.7
Printing and publishing	70.9	70.9	68.9	.0	2.0
Newspapers	19.2	19.3	19.3	-.1	.1
Commercial printing	26.3	26.1	25.7	.2	.6
Chemicals and allied products	63.5	63.5	61.4	.1	2.1
Industrial inorganic chemicals	9.4	9.4	9.3	.0	.1
Rubber and misc. plastics products	93.9	94.1	92.5	-.2	1.4
Tires and inner tubes	16.8	16.8	17.6	.0	-.7
Miscellaneous plastics products	56.3	56.5	54.5	-.2	1.9

See footnotes on page 15.

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3476.0	3471.3	3369.6	4.7	106.5
MINING	19.8	20.1	21.1	- .3	- 1.3
Bituminous coal and lignite mining	8.8	8.7	9.7	.0	- 1.0
Oil and gas extraction	7.0	7.1	7.3	- .1	- .3
CONSTRUCTION	158.8	163.5	143.9	- 4.7	14.9
General building contractors	41.5	42.5	38.2	- 1.0	3.3
Heavy construction contractors	16.6	17.5	14.7	- .9	1.8
Highway and street construction	6.1	6.3	4.8	- .3	1.3
Special trade contractors	100.8	103.6	90.9	- 2.8	9.8
TRANSPORTATION AND PUBLIC UTILITIES	202.4	203.3	201.7	- .9	.7
Railroad transportation	12.8	12.9	13.6	- .1	- .8
Transportation, except railroads	100.9	101.5	98.3	- .7	2.5
Trucking and warehousing	70.7	70.7	69.0	.1	1.8
Communication, electric, gas services	88.7	88.8	89.7	- .1	- 1.0
Communication	47.4	47.5	48.2	- .1	- .8
Electric, gas, and sanitary services	41.4	41.4	41.5	.0	- .2
WHOLESALE TRADE	250.7	250.9	243.0	- .2	7.7
Wholesale trade-durable goods	157.7	157.8	152.9	- .1	4.8
Motor vehicles & automotive equipment	21.8	21.9	21.3	- .1	.5
Electrical goods	19.6	19.6	19.2	.0	.4
Machinery, equipment, and supplies	67.6	67.6	66.2	.0	1.4
Wholesale trade-nondurable goods	93.1	93.1	90.1	- .1	2.9
Groceries and related products	29.2	29.3	28.2	- .1	1.0
RETAIL TRADE	838.0	846.2	811.7	- 8.2	26.3
General merchandise stores	116.6	122.0	114.7	- 5.4	1.9
Department stores	101.6	106.7	100.4	- 5.1	1.2
Food stores	130.8	131.4	128.1	- .6	2.7
Automotive dealers & service stations	93.6	93.5	90.5	.2	3.2
Apparel and accessory stores	42.0	43.4	40.1	- 1.4	1.9
Eating and drinking places	288.9	288.1	281.3	.9	7.6
FINANCE, INSURANCE, AND REAL ESTATE	246.4	245.9	237.5	.5	8.9
Banking	63.5	63.7	62.2	- .2	1.3
Credit agencies other than banks	37.8	37.7	36.5	.1	1.3
Insurance carriers	68.9	68.6	67.2	.3	1.8
Life insurance	25.7	25.6	25.8	.1	.0
Fire, marine, and casualty insurance	30.5	30.4	29.3	.1	1.2
SERVICES	1055.8	1047.8	1013.5	8.0	42.3
Hotels and other lodging places	32.6	32.5	32.0	.1	.7
Personal services	59.0	58.7	57.0	.3	2.0
Laundry, cleaning, & garment services	18.7	18.7	18.1	- .1	.5
Business services	212.7	211.5	200.2	1.2	12.4
Services to buildings	30.1	29.9	28.5	.2	1.7
Computer and data processing services	20.0	19.8	19.0	.2	1.0
Amusement and recreation services	29.3	28.7	28.6	.6	.7
Health services	365.2	364.5	352.9	.7	12.3
Nursing and personal care facilities	80.3	80.2	77.4	.2	2.9
Hospitals	178.3	178.0	173.9	.4	4.4
Educational services	65.2	61.8	65.6	3.4	- .4
Colleges and universities	35.8	32.8	37.2	3.0	- 1.4
GOVERNMENT	704.1	693.6	697.2	10.5	6.9
Federal government	94.5	94.4	94.0	.2	.6
State government	160.5	154.8	156.7	5.7	3.8
State government education[1]	86.1	80.7	84.5	5.5	1.6
State government, except education	74.4	74.1	72.2	.3	2.3
Local government	449.0	444.4	446.5	4.6	2.5
Local government education	266.4	262.0	265.6	4.4	.8
Local government, except education	182.6	182.5	180.9	.1	1.7

See footnotes on page 15

Ohio

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$504.90	$507.61	$499.05	42.5	42.8	42.4	$11.88	$11.86	$11.77
Durable Goods[e]	525.16	527.11	520.88	42.8	43.1	42.8	12.27	12.23	12.17
Lumber and wood products	285.22	284.26	292.25	38.7	39.1	40.2	7.37	7.27	7.27
Furniture and fixtures	355.60	359.04	342.26	40.0	40.8	40.6	8.89	8.80	8.43
Stone, clay, and glass products	450.24	448.56	440.67	42.0	42.0	41.3	10.72	10.68	10.67
Glass and glassware, pressed or blown.	467.63	471.06	460.08	39.9	40.4	40.5	11.72	11.66	11.36
Primary metal industries	606.47	614.21	590.46	44.3	44.8	43.9	13.69	13.71	13.45
Blast furnace and basic steel products	643.87	641.17	598.92	45.6	45.7	43.4	14.12	14.03	13.80
Iron and steel foundries	615.92	653.90	636.96	43.9	45.6	45.4	14.03	14.34	14.03
Nonferrous rolling and drawing	588.96	608.16	598.10	41.1	42.0	42.6	14.33	14.48	14.04
Fabricated metal products	512.89	506.11	510.27	43.1	43.0	42.7	11.90	11.77	11.95
Cutlery, hand tools, and hardware	472.28	475.57	476.77	40.4	40.2	40.2	11.69	11.83	11.86
Fabricated structural metal products	470.61	470.67	447.72	42.9	43.3	42.0	10.97	10.87	10.66
Metal forgings and stampings	631.81	605.66	652.74	44.4	43.2	44.8	14.23	14.02	14.57
Machinery, except electrical	513.86	507.17	499.80	43.4	43.2	42.5	11.84	11.74	11.76
Construction and related machinery	419.63	424.51	413.71	41.1	41.7	40.6	10.21	10.18	10.19
Metalworking machinery	500.46	497.74	465.09	43.9	43.7	41.9	11.40	11.39	11.10
Special industry machinery	499.76	497.48	458.58	43.8	43.6	41.5	11.41	11.41	11.05
General industrial machinery	535.56	521.66	515.46	43.4	42.9	42.6	12.34	12.16	12.10
Office and computing machines	417.08	426.70	404.46	41.5	42.5	42.0	10.05	10.04	9.63
Refrigeration and service machinery	570.03	569.01	619.43	42.1	42.4	43.9	13.54	13.42	14.11
Electric and electronic equipment	474.47	480.80	457.47	42.1	42.7	41.4	11.27	11.26	11.05
Electrical industrial apparatus	477.40	487.53	443.36	43.4	44.2	40.9	11.00	11.03	10.84
Household appliances	498.46	512.73	483.21	41.4	42.2	41.8	12.04	12.15	11.56
Electric lighting and wiring equipment	484.15	487.49	479.55	42.1	42.8	41.7	11.50	11.39	11.50
Communication equipment	487.81	480.87	455.04	41.2	41.1	39.5	11.84	11.70	11.52
Transportation equipment	643.19	649.28	646.46	43.4	43.9	44.8	14.82	14.79	14.43
Motor vehicles and equipment	654.46	667.51	666.03	43.0	43.8	44.7	15.22	15.24	14.90
Aircraft and parts	645.78	626.95	612.41	45.8	45.3	45.6	14.10	13.84	13.43
Instruments and related products	359.33	361.03	369.15	39.4	39.5	40.7	9.12	9.14	9.07
Measuring and controlling devices	347.76	353.66	360.75	37.8	38.4	38.5	9.20	9.21	9.37
Nondurable Goods[f]	456.20	464.45	446.71	41.7	42.3	41.4	10.94	10.98	10.79
Food and kindred products	439.02	450.93	435.77	41.3	42.5	41.7	10.63	10.61	10.45
Meat products	356.98	386.98	383.22	39.1	41.7	41.7	9.13	9.28	9.19
Dairy products	477.40	476.10	465.24	43.4	43.4	42.8	11.00	10.97	10.87
Preserved fruits and vegetables	455.51	444.64	441.61	41.0	41.4	42.3	11.11	10.74	10.44
Bakery products	467.20	475.51	457.08	40.0	40.4	38.9	11.68	11.77	11.75
Beverages	425.49	430.32	386.71	40.6	41.1	39.3	10.48	10.47	9.84
Apparel and other textile products	294.08	299.51	276.29	38.9	39.1	37.9	7.56	7.66	7.29
Paper and allied products	486.62	499.97	492.40	43.8	44.6	44.4	11.11	11.21	11.09
Misc. converted paper products	420.46	444.28	450.24	42.3	43.6	44.8	9.94	10.19	10.05
Paperboard containers and boxes	432.29	442.10	436.13	43.1	43.6	42.8	10.03	10.14	10.19
Printing and publishing	433.86	434.17	420.53	38.6	38.8	38.3	11.24	11.19	10.98
Newspapers	353.18	358.70	357.76	33.1	34.0	34.6	10.67	10.55	10.34
Commercial printing	441.90	435.51	417.59	40.1	39.7	39.1	11.02	10.97	10.68
Chemicals and allied products	538.86	551.68	527.07	42.0	42.7	41.6	12.83	12.92	12.67
Industrial inorganic chemicals	587.64	597.04	562.02	43.4	43.9	41.6	13.54	13.60	13.51
Rubber and misc. plastics products	444.36	448.59	433.82	43.1	43.3	42.2	10.31	10.36	10.28
Tires and inner tubes	683.01	687.74	637.91	47.3	47.3	45.5	14.44	14.54	14.02
Miscellaneous plastics products	425.43	426.57	416.07	42.8	42.7	41.9	9.94	9.99	9.93

See footnotes on page 15.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MINING	$540.99	$557.66	$545.93	42.8	44.4	43.5	$12.64	$12.56	$12.55
Bituminous coal and lignite mining	650.50	689.22	654.84	42.6	44.9	42.8	15.27	15.35	15.30
CONSTRUCTION	558.33	555.74	549.29	37.0	37.0	37.7	15.09	15.02	14.57
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	550.90	559.63	530.00	40.3	40.7	40.0	13.67	13.75	13.25
Communication	534.36	535.71	518.64	39.7	39.8	39.5	13.46	13.46	13.13
Electric, gas, and sanitary services	571.70	587.14	545.38	41.1	41.7	40.7	13.91	14.08	13.40
WHOLESALE TRADE	384.15	382.40	365.33	39.0	39.1	38.7	9.85	9.78	9.44
Wholesale trade-durable goods	380.03	377.28	363.09	39.3	39.3	39.0	9.67	9.60	9.31
Wholesale trade-nondurable goods	391.16	390.10	370.74	38.5	38.7	38.3	10.16	10.08	9.68
RETAIL TRADE[h]	160.68	161.24	156.79	27.8	27.8	27.8	5.78	5.80	5.64
General merchandise stores	167.05	171.44	171.17	26.9	27.3	28.2	6.21	6.28	6.07
Department stores	170.55	175.91	175.91	26.9	27.4	28.1	6.34	6.42	6.26
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	262.29	264.30	254.65	....	....	....	.....	.....	.....
Credit agencies other than banks	261.99	258.86	245.39	....	....	....	.....	.....	.....
Insurance carriers	362.32	361.50	345.59	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	337.92	337.95	324.05	33.0	33.1	33.1	10.24	10.21	9.79

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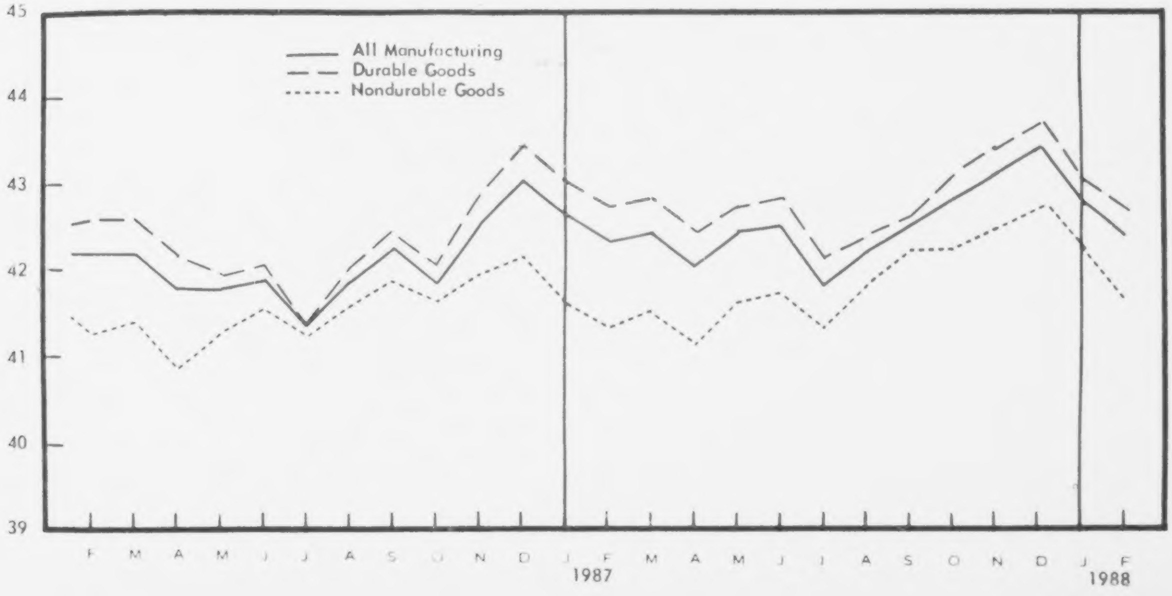
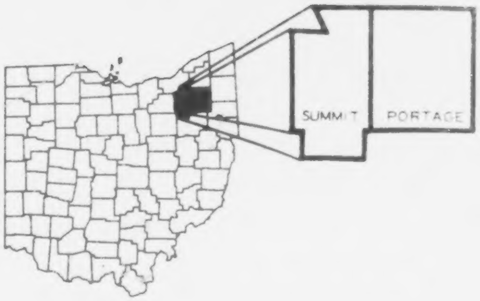
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



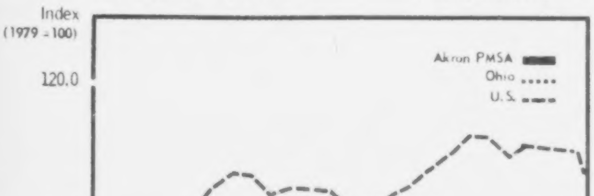
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



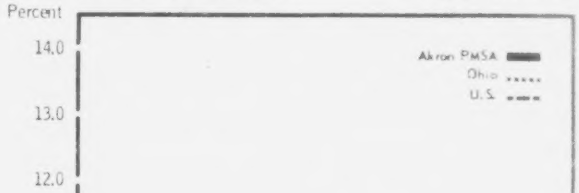
Nonagricultural wage and salary employment in the Akron metropolitan area totaled 265,100 in February, an improvement of 2,300 from January. Nonmanufacturing industries provided the major portion of the growth as seasonal increases in state government education more than offset seasonal losses in retail trade and construction. Manufacturing employment, at 66,900, increased 200 jobs from January. Manufacturing production workers averaged a 43.1 hour workweek, down slightly from last month. They earned an average of $11.42 per hour, $.08 higher.

Since February 1987, nonfarm wage and salary employment recorded an increase of 5,500 jobs. Nonmanufacturing industries contributed most to the expansion, with a net gain of 5,000. Primary growth sectors were services, especially health and business services, and wholesale and retail trade. Scattered increases in other durable- and nondurable-goods industries more than offset losses in tires and inner tubes, creating 500 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



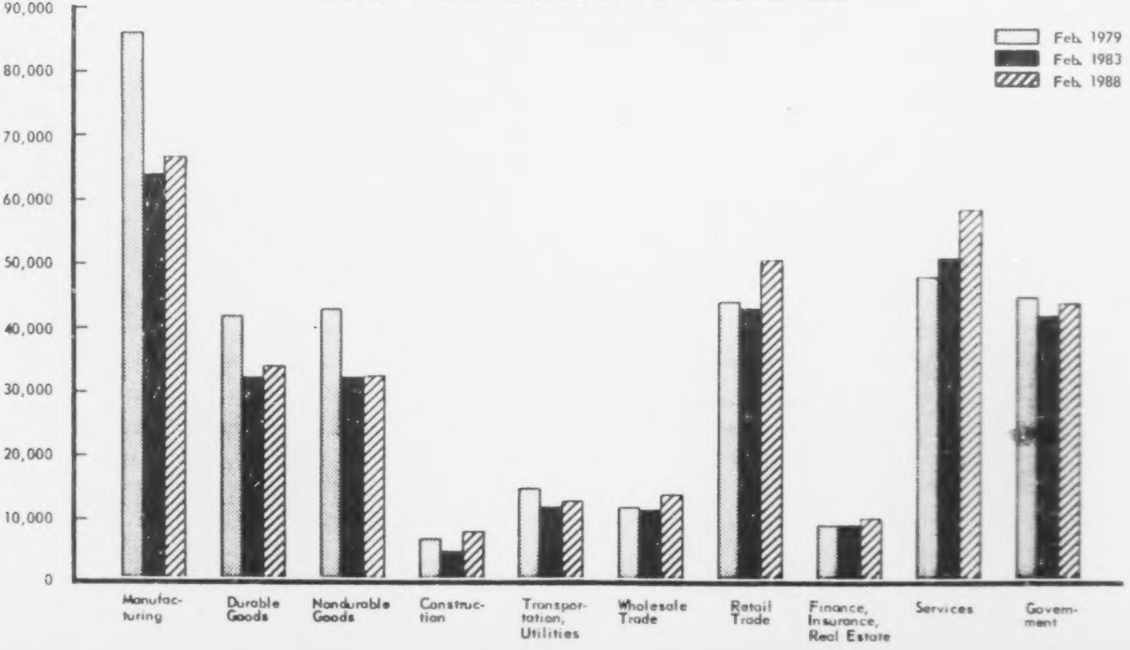
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
319.5	291.3	28.1	8.8	January	258.9	66.7	36.2	489.62	43.1	11.36
320.2	290.9	29.3	9.1	February	259.6	66.3	36.0	487.05	42.5	11.46
315.3	290.2	25.1	8.0	March	260.1	66.0	35.9	483.64	42.8	11.30
318.2	294.7	23.5	7.4	April	262.6	66.1	35.7	483.75	43.0	11.25
321.7	298.3	23.5	7.3	May	265.9	66.1	35.7	487.19	43.0	11.33
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
321.5	296.8	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
INA	INA	INA	INA	February	265.1	66.9	36.9	492.20	43.1	11.42

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	265.1	262.8	259.6	2.3	5.5
MANUFACTURING	66.9	66.6	66.3	.2	.5
Durable Goods[e]	34.5	34.3	34.1	.2	.5
Fabricated metal products	11.8	11.6	11.7	.1	.1
Machinery, except electrical	9.5	9.5	9.2	.0	.3
Metalworking machinery	3.3	3.4	3.1	-.1	.2
Nondurable Goods[f]	32.4	32.3	32.3	.0	.1
Food and kindred products	3.1	3.1	2.9	.0	.1
Chemicals and allied products	3.0	3.0	2.9	.0	.1
Rubber and misc. plastics products	20.8	20.8	21.1	.0	-.3
Tires and inner tubes	12.7	12.7	13.4	.0	-.7
NONMANUFACTURING[g]	198.2	196.1	193.3	2.1	5.0
CONSTRUCTION	7.7	7.9	7.3	-.2	.3
TRANSPORTATION AND PUBLIC UTILITIES	12.8	12.7	12.8	.1	.0
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.1	14.0	13.6	.0	.5
RETAIL TRADE	50.7	51.3	50.2	-.6	.5
General merchandise stores	5.9	6.4	6.2	-.5	-.3
FINANCE, INSURANCE, AND REAL ESTATE	10.7	10.6	10.4	.1	.3
Banking	3.1	3.1	3.2	.0	.0
SERVICES	57.9	57.6	54.9	.3	2.9
Business services	11.3	11.3	10.5	.0	.8
Amusement and recreation services	2.8	2.7	2.5	.1	.3
Health services	19.9	19.9	18.8	.0	1.1
GOVERNMENT	43.9	41.5	43.5	2.4	.4
State government	15.8	13.8	15.5	2.1	.4
State government education[1]	12.9	10.8	12.6	2.1	.3
State government, except education	3.0	3.0	2.9	.0	.1
Local government	25.7	25.5	25.7	.2	.0
Local government education	14.9	14.6	14.5	.3	.4
Local government, except education	10.8	10.9	11.2	-.1	-.4

Hours & Earnings of Production or Nonsupervisory Workers[a]

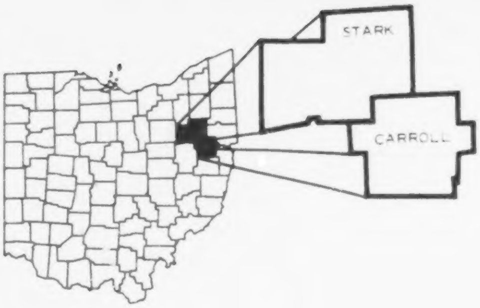
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$492.20	$489.89	$487.05	43.1	43.2	42.5	$11.42	$11.34	$11.46
Durable Goods[e]	508.03	498.37	513.75	43.2	43.0	43.1	11.76	11.59	11.92
Fabricated metal products	629.82	605.75	656.94	44.7	43.8	45.4	14.09	13.83	14.47
Machinery, except electrical	448.80	453.01	441.37	44.0	44.5	43.7	10.20	10.18	10.10
Metalworking machinery	467.71	476.56	457.41	44.8	45.3	44.8	10.44	10.52	10.21
Nondurable Goods[f]	469.56	480.26	448.03	43.0	43.7	41.6	10.92	10.99	10.77
Food and kindred products	477.20	477.63	438.07	43.7	43.9	40.6	10.92	10.88	10.79
Chemicals and allied products	508.81	518.91	470.68	43.6	44.2	41.0	11.67	11.74	11.48
Rubber and misc. plastics products	493.06	498.85	471.23	44.3	44.7	42.8	11.13	11.16	11.01
Tires and inner tubes	785.07	783.50	694.19	50.1	50.0	47.0	15.67	15.67	14.77
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	559.14	559.36	537.34	40.4	40.3	40.1	13.84	13.88	13.40
WHOLESALE TRADE	336.60	334.11	318.28	37.4	37.0	37.8	9.00	9.03	8.42
RETAIL TRADE[h]	192.17	192.17	196.55	30.6	30.6	31.1	6.28	6.28	6.32

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	2,395	2,454	2,465
Active File of Job Seekers	17,782	16,818	21,290
Referrals to Jobs	819	1,042	980
Placements	192	170	185
Job Openings Received	346	388	425
Job Openings Unfilled	538	697	519
Unemployment Insurance Program			
Initial Claims	3,410	5,556	3,443
Continued Claims	39,429	37,265	39,189
First Payments	2,347	2,831	2,535
Last Payments	359	448	393
Weeks Compensated	31,549	30,459	32,374
Benefits Paid	$4,939,086	$4,669,705	$4,841,878
Average Weekly Payment	$159.40	$157.05	$152.38

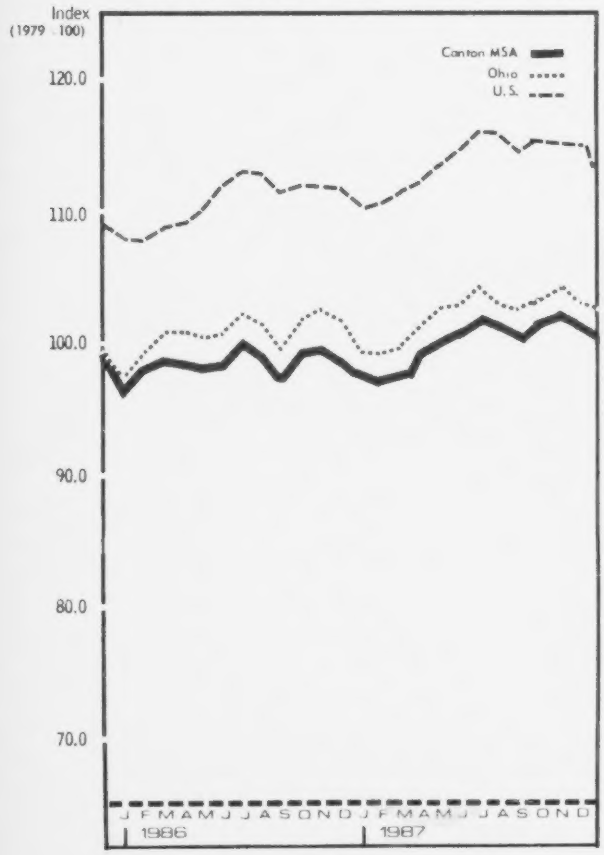
CANTON METROPOLITAN STATISTICAL AREA



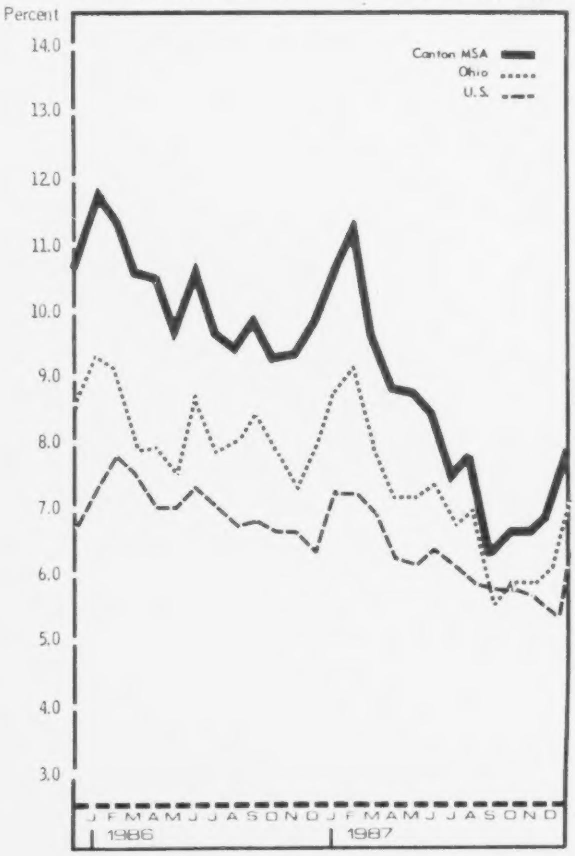
Nonfarm wage and salary employment for the Canton metropolitan area in February totaled 155,400, unchanged from January. Manufacturing employment, at 43,600, was up 100. Divisions in nonmanufacturing registered a loss of 100 jobs, as declines in retail trade and construction offset gains in services and local schools. Factory workers averaged a 42.7 hour workweek, down .5 hours from the previous month. Average hourly earnings rose $.02, to $11.45.

Nonagricultural wage and salary employment advanced 3,700 from February 1987. Nonmanufacturing industries contributed most to the expansion. Services, especially health services, construction, and retail trade were the major growth sectors. Although reductions were recorded in food and kindred products, scattered improvements in durable-goods industries raised manufacturing employment 300 over the year.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

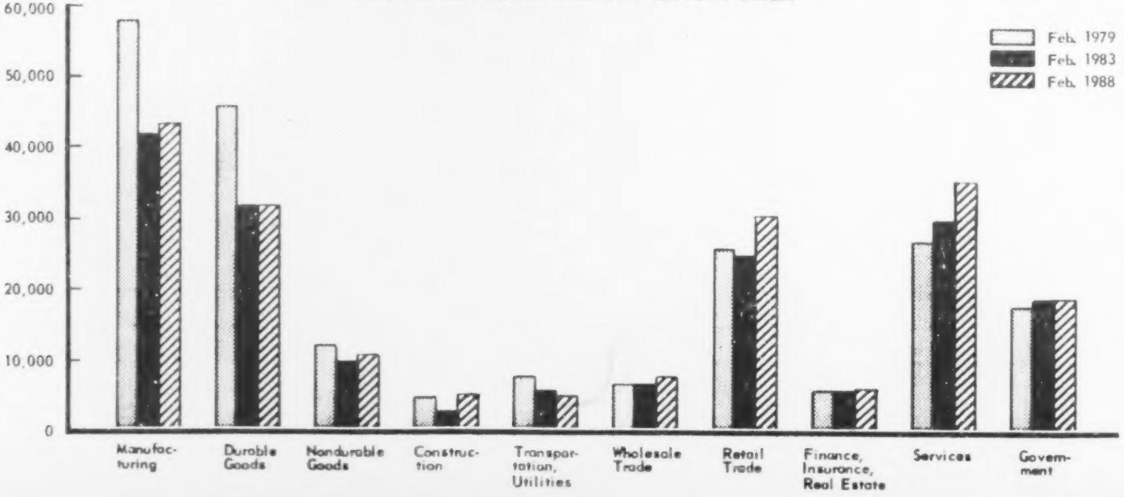


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
190.0	169.9	20.1	10.6	January	151.9	43.1	30.4	483.19	42.2	11.45
190.8	169.1	21.7	11.4	February	151.8	43.3	30.5	476.70	42.0	11.35
187.7	169.6	18.1	9.7	March	152.8	43.3	30.5	477.12	42.0	11.36
189.1	172.4	16.8	8.9	April	154.3	43.3	30.5	471.03	41.5	11.35
191.2	174.4	16.7	8.7	May	156.3	43.5	30.6	486.35	42.7	11.39
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
189.2	174.2	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
INA	INA	INA	INA	February	155.4	43.6	31.1	488.92	42.7	11.45

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	155.4	155.4	151.8	.0	3.7
MANUFACTURING	43.6	43.6	43.3	.1	.3
Durable Goods[e]	32.3	32.3	31.8	.1	.6
Primary metal industries	10.5	10.5	10.5	.0	.0
Fabricated metal products	6.5	6.4	6.5	.1	-.1
Metal forgings and stampings	2.1	2.1	2.3	.0	-.2
Nondurable Goods[f]	11.3	11.3	11.5	.0	-.2
Food and kindred products	3.3	3.3	3.7	.0	-.5
Rubber and misc. plastics products	2.9	2.9	2.8	.0	.1
NONMANUFACTURING[g]	111.8	111.9	108.4	-.1	3.4
CONSTRUCTION	5.5	5.9	4.5	-.4	1.0
TRANSPORTATION AND PUBLIC UTILITIES	5.7	5.7	5.5	.0	.2
Communication, electric, gas services	2.6	2.6	2.6	.0	.0
WHOLESALE TRADE	8.1	8.1	7.9	.0	.2
Wholesale trade-durable goods	4.4	4.5	4.4	.0	.1
RETAIL TRADE	30.6	31.0	30.1	-.5	.5
General merchandise stores	3.8	4.1	3.8	-.2	.1
Food stores	5.1	5.1	5.1	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.4	.0	.0
Banking	1.8	1.9	1.9	.0	.0
SERVICES	35.3	34.9	34.2	.4	1.1
Health services	15.2	15.0	14.6	.2	.7
GOVERNMENT	19.1	18.8	18.7	.3	.4
State government (includes education)	1.8	1.8	1.7	.0	.1
Local government	15.9	15.6	15.6	.3	.3
Local government education	9.4	9.1	9.6	.3	-.2
Local government, except education	6.5	6.5	6.0	.0	.5

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

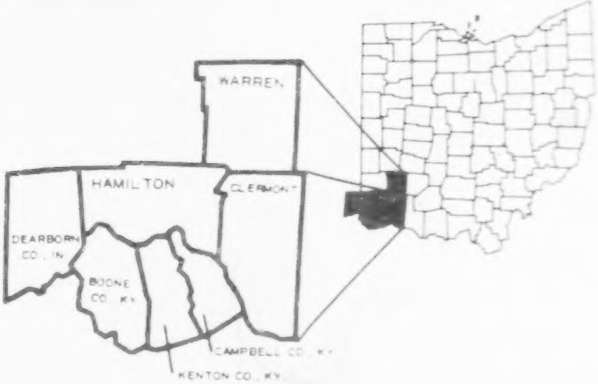
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$488.92	$493.78	$476.70	42.7	43.2	42.0	$11.45	$11.43	$11.35
Durable Goods[e]	512.12	520.97	503.33	43.4	44.3	42.8	11.80	11.76	11.76
Primary metal industries	583.98	611.71	582.94	45.2	47.2	45.4	12.92	12.96	12.84
Fabricated metal products	433.19	424.73	474.37	41.1	40.8	41.0	10.54	10.41	11.57
Metal forgings and stampings	590.20	576.69	608.61	41.1	40.3	41.8	14.36	14.31	14.56
Nondurable Goods[f]	412.89	409.60	398.80	40.4	40.0	39.8	10.22	10.24	10.02
Food and kindred products	411.28	429.84	435.07	38.8	39.8	41.2	10.60	10.80	10.56
Rubber and misc. plastics products	440.13	428.45	422.50	41.6	41.0	41.3	10.58	10.45	10.23
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	540.55	565.52	520.90	40.1	41.4	40.1	13.48	13.66	12.99
WHOLESALE TRADE	384.84	375.82	350.28	38.6	38.0	36.0	9.97	9.89	9.73
RETAIL TRADE[h]	153.72	152.84	150.64	28.0	28.2	28.0	5.49	5.42	5.38

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	1,407	1,653	1,474
Active File of Job Seekers	12,090	11,400	18,141
Referrals to Jobs	848	737	824
Placements	161	246	117
Job Openings Received	346	270	242
Job Openings Unfilled	348	306	353
Unemployment Insurance Program			
Initial Claims	2,235	3,514	2,559
Continued Claims	23,226	21,890	28,255
First Payments	1,417	1,738	1,882
Last Payments	213	240	302
Weeks Compensated	17,307	17,249	23,392
Benefits Paid	$2,514,358	$2,445,971	$3,456,963
Average Weekly Payment	$148.67	$146.61	$151.71

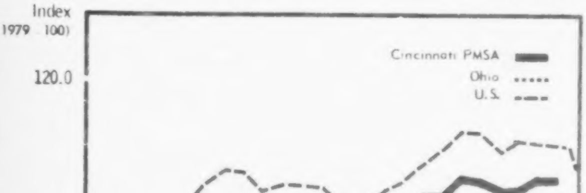
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



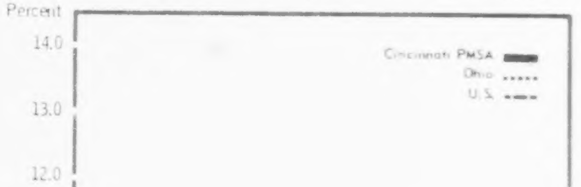
Nonagricultural wage and salary employment in the Cincinnati area totaled 679,200 in February, 400 lower than the January level. Manufacturing employment declined 800 due to a decrease in durable-goods industries, especially in transportation equipment. Nonmanufacturing employment advanced 400 as gains in services and state and local education offset seasonal reductions in retail trade and the effect of a labor dispute in transportation and public utilities. Factory workers earned an average of $11.14 per hour, down $.02 from January. Their average workweek, 42.3 hours, was .8 hours shorter.

From February 1987 to February 1988, growth in services, retail and wholesale trade, and construction contributed significantly to a gain of 25,200 nonagricultural wage and salary jobs. Manufacturing employment declined 1,400 during the period. Gains in nondurable goods were negated by a declining workforce in motor vehicles and equipment.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

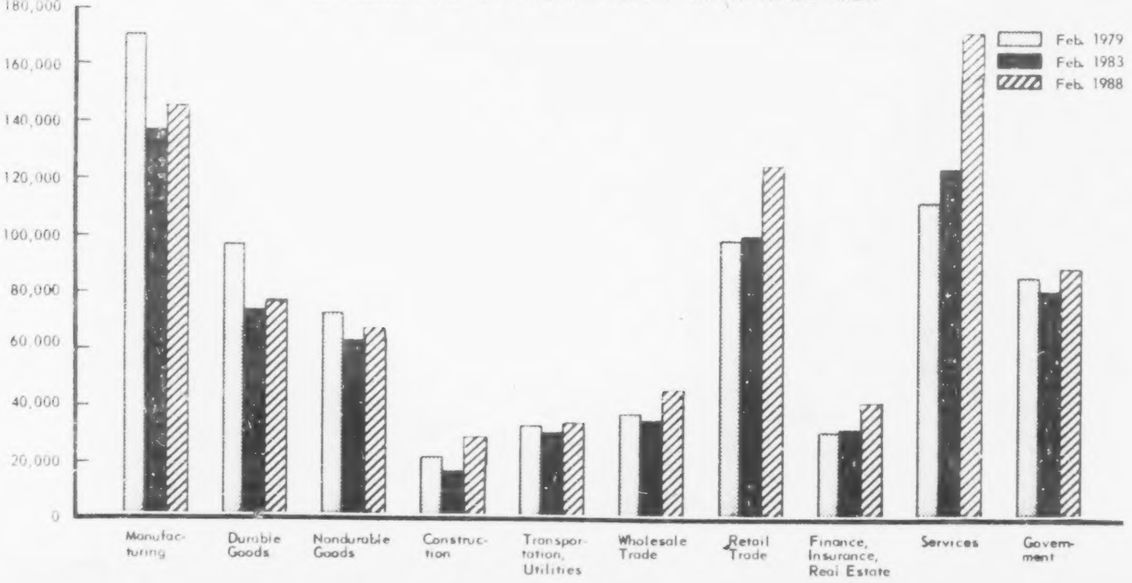


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5*	679.4*	47.2*	6.5*	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
731.0	675.6	55.5	7.6	January	650.1	142.4	90.5	458.53	42.3	10.84
729.9	678.8	51.1	7.0	February	654.0	145.7	93.6	467.25	42.4	11.02
730.3	679.0	51.2	7.0	March	656.6	142.2	90.4	462.40	42.5	10.88
737.7	697.3	40.4	5.5	April	673.1	146.9	94.8	459.38	41.8	10.99
744.4	703.0	41.4	5.6	May	679.6	147.6	95.3	466.15	42.3	11.02
750.4	701.8	48.6	6.5	June	680.2	144.7	92.0	466.52	42.8	10.90
756.6	712.1	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.1	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
INA	INA	INA	INA	January	679.6	145.1	92.9	481.00	43.1	11.16
INA	INA	INA	INA	February	679.2	144.3	92.2	471.22	42.3	11.14

INA - information not available. * - 1986 Civilian Labor Force data will be revised to the 1987 benchmark in the March 1988 issue of the Labor Market Review.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	679.2	679.6	654.0	-.4	25.2
MANUFACTURING	144.3	145.1	145.7	-.8	-1.4
Durable Goods[e]	76.5	77.6	80.7	-1.1	-4.2
Fabricated metal products	10.1	10.3	10.2	-.1	-.1
Fabricated structural metal products	3.9	4.1	3.9	-.1	.0
Machinery, except electrical	20.4	20.5	20.5	-.1	-.1
Metalworking machinery	7.9	8.0	8.4	-.1	-.5
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	7.6	7.6	7.5	.0	.1
Transportation equipment	24.7	25.3	29.1	-.7	-4.5
Motor vehicles and equipment	4.9	5.2	8.5	-.3	-3.6
Nondurable Goods[f]	67.7	67.5	65.0	.2	2.8
Food and kindred products	13.2	13.1	12.6	.1	.6
Beverages	3.4	3.4	3.7	.0	-.3
Apparel and other textile products	4.1	4.0	3.4	.1	.7
Paper and allied products	6.0	6.1	6.1	-.1	.0
Printing and publishing	13.4	13.3	13.2	.1	.2
Commercial printing	5.9	5.8	5.7	.1	.2
Chemicals and allied products	22.7	22.7	21.8	.0	.9
Rubber and misc. plastics products	6.0	5.9	5.5	.0	.4
NONMANUFACTURING[g]	534.9	534.5	508.3	.4	26.7
CONSTRUCTION	28.0	28.5	25.1	-.4	2.9
TRANSPORTATION AND PUBLIC UTILITIES	35.1[j]	35.8	34.1	-.7	1.0
Trucking and warehousing	9.9	9.9	9.5	.0	.5
Communication, electric, gas services	15.1	15.1	14.9	.0	.2
WHOLESALE TRADE	44.9	44.8	43.4	.0	1.5
Wholesale trade-durable goods	26.5	26.5	25.4	.1	1.1
RETAIL TRADE	124.8	126.1	119.8	-1.3	4.9
General merchandise stores	17.0	18.0	17.0	-1.1	-.1
FINANCE, INSURANCE, AND REAL ESTATE	41.1	41.1	39.0	.0	2.0
Banking	9.0	9.1	8.5	.0	.5
Insurance carriers	14.1	14.1	13.6	.0	.5
SERVICES	171.2	169.9	158.6	1.4	12.7
Hotels and other lodging places	6.3	6.2	5.8	.1	.4
Personal services	8.9	8.8	8.3	.0	.5
Business services	41.2	40.9	37.5	.3	3.7
Amusement and recreation services	6.1	6.2	5.3	.0	.9
Health services	54.1	53.8	50.8	.3	3.3
Hospitals	25.8	25.6	24.5	.2	1.3
GOVERNMENT	89.3	87.9	87.9	1.4	1.4
Federal government	15.7	15.1	15.0	.6	.7
State government	20.2	19.7	20.2	.5	.0
State government education[i]	12.4	12.0	12.3	.4	.1
State government, except education	7.8	7.7	7.8	.0	-.1
Local government	53.4	53.1	52.7	.4	.7
Local government education	31.2	30.9	31.2	.3	.0
Local government, except education	22.2	22.2	21.5	.0	.7

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$471.22	$481.00	$467.25	42.3	43.1	42.4	$11.14	$11.16	$11.02
Durable Goods[e]	481.60	479.70	476.62	43.0	43.1	42.9	11.20	11.13	11.11
Fabricated metal products	417.06	428.14	401.95	42.0	42.9	42.4	9.93	9.98	9.48
Fabricated structural metal products	415.75	426.86	396.77	41.7	42.9	40.2	9.97	9.95	9.87
Machinery, except electrical	428.24	430.26	416.94	42.4	42.6	42.2	10.10	10.10	9.88
Metalworking machinery	485.93	492.59	466.13	42.7	43.4	43.2	11.38	11.35	10.79
General industrial machinery	412.52	411.55	415.42	44.5	44.3	44.1	9.27	9.29	9.42
Electric and electronic equipment	333.20	349.25	335.62	39.2	40.8	38.4	8.50	8.56	8.74
Transportation equipment	744.96	717.10	686.49	48.0	46.9	46.7	15.52	15.29	14.70
Motor vehicles and equipment	797.07	759.10	678.46	47.7	46.4	43.8	16.71	16.36	15.49
Nondurable Goods[f]	460.93	481.86	457.97	41.6	43.1	41.9	11.08	11.18	10.93
Food and kindred products	491.53	554.12	490.60	42.3	46.1	44.0	11.62	12.02	11.15
Beverages	530.85	532.54	544.87	42.4	42.4	43.8	12.52	12.56	12.44
Apparel and other textile products	208.46	207.18	218.50	36.7	36.8	38.2	5.68	5.63	5.72
Paper and allied products	405.72	421.60	425.52	41.4	42.5	41.8	9.80	9.92	10.18
Printing and publishing	482.79	473.10	472.12	41.8	41.5	40.7	11.55	11.40	11.60
Commercial printing	526.44	505.76	532.22	44.5	43.6	44.8	11.83	11.60	11.88
Chemicals and allied products	533.18	560.74	515.41	41.3	43.2	41.2	12.91	12.98	12.51
Rubber and misc. plastics products	393.76	404.87	404.40	42.8	44.2	44.1	9.20	9.16	9.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	539.92	545.60	517.72	39.7	40.0	39.4	13.60	13.64	13.14
WHOLESALE TRADE	405.57	399.84	374.80	41.3	40.8	40.0	9.82	9.80	9.37
RETAIL TRADE[h]	161.31	164.45	158.48	28.3	28.7	28.1	5.70	5.73	5.64
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	.....	....	....	....	....	....
Banking	260.39	255.28	259.47	.....	....	....	....	....	....

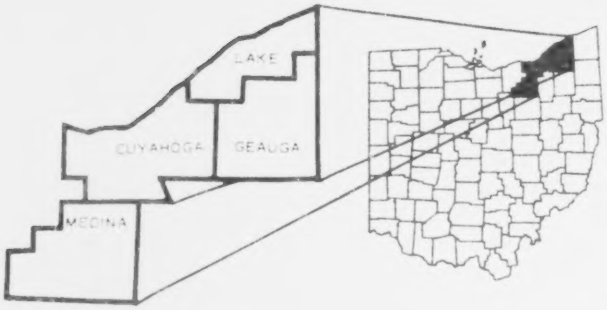
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	2,775	3,061	3,594
Active File of Job Seekers	23,194	22,647	25,582
Referrals to Jobs	1,830	1,558	2,127
Placements	519	243	428
Job Openings Received	1,111	655	900
Job Openings Unfilled	1,495	1,576	1,482
Unemployment Insurance Program			
Initial Claims	4,684	6,805	5,662
Continued Claims	56,563	52,128	54,283
First Payments	3,982	2,254	4,015
Last Payments	886	524	715
Weeks Compensated	48,882	40,313	45,434
Benefits Paid	$7,880,702	$6,407,686	$6,569,897
Average Weekly Payment	$163.42	$161.79	$147.21

[a] Ohio data only

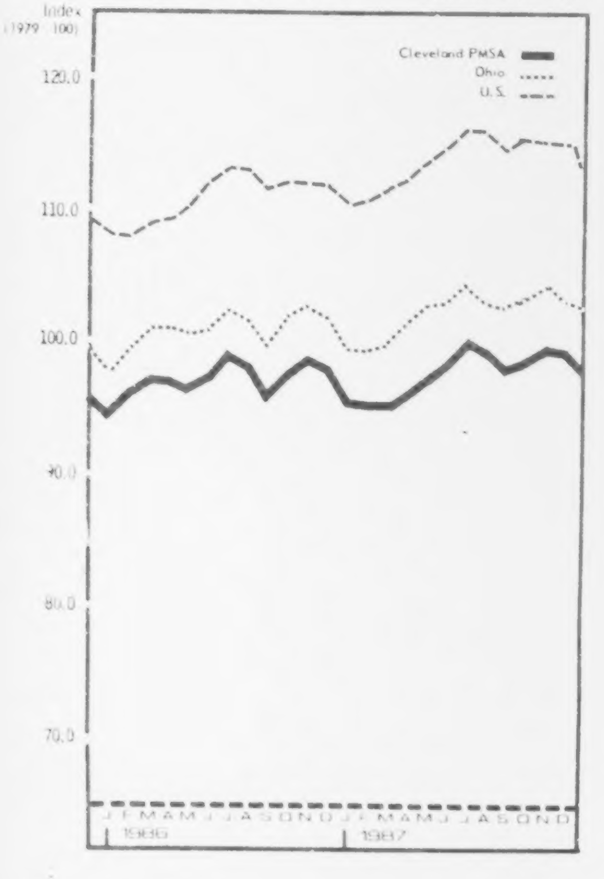
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



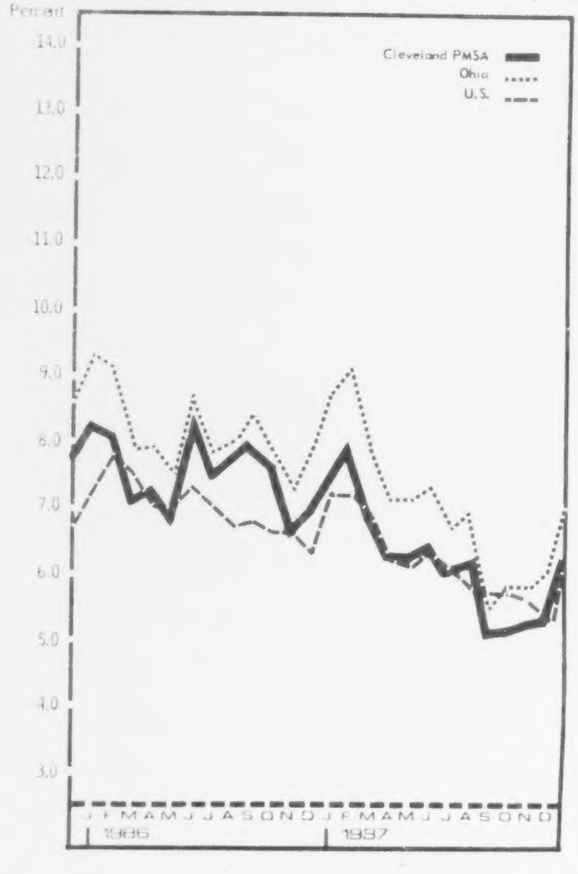
In February, total nonfarm employment in the Cleveland area declined 400 from the January level, to 889,400. Although a notable improvement was recorded in services, seasonal declines in retail trade and construction lowered nonmanufacturing employment 500 over the month. Manufacturing employment, at 202,000, remained unchanged. Production workers averaged $11.64 per hour, down $.07 from last month. Their average workweek was .2 hours shorter at 42.8 hours.

From February 1987 to February 1988, nonagricultural wage and salary employment increased 20,800. The growth was concentrated in the nonmanufacturing sector, with significant gains in services, retail trade, construction, and finance, insurance, and real estate. The manufacturing workforce advanced 2,400 over the period due primarily to expansion in fabricated metal products and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

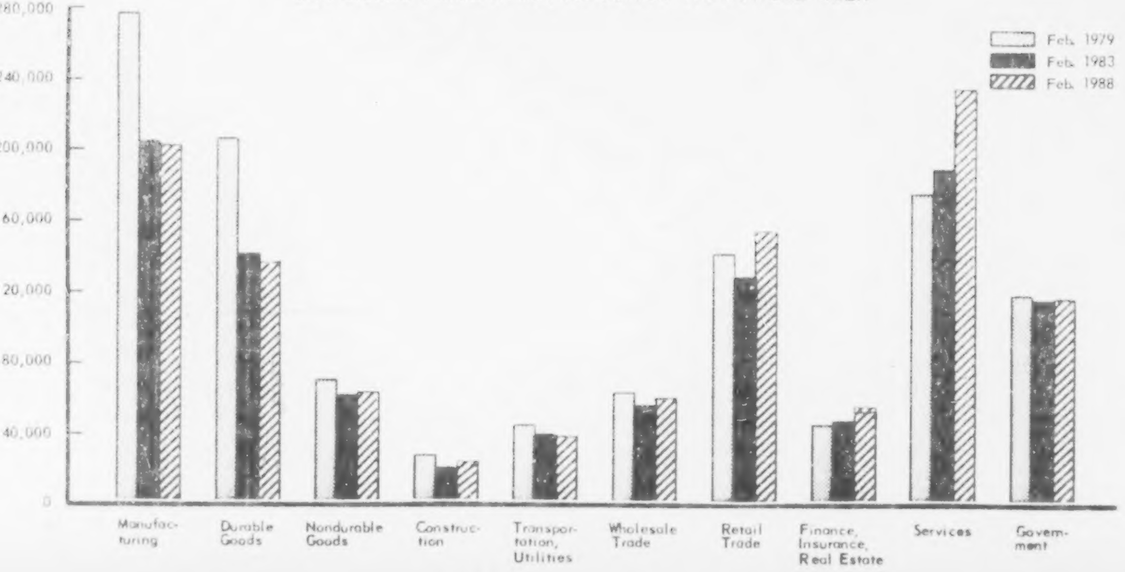


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
915.8	847.1	68.7	7.5	January	867.1	199.9	127.7	503.84	43.1	11.69
919.3	845.9	73.4	8.0	February	868.5	199.6	127.5	493.64	42.3	11.67
909.1	845.7	63.4	7.0	March	871.3	199.3	127.6	498.07	42.9	11.61
916.9	858.8	58.1	6.3	April	880.1	199.4	127.9	494.89	42.7	11.59
925.3	867.2	58.0	6.3	May	889.5	199.9	127.6	493.19	42.7	11.55
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
929.0	870.5	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
INA	INA	INA	INA	February	889.4	202.0	130.1	498.19	42.8	11.64

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Chnage[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	889.4	889.8	868.5	-.4	20.8
MANUFACTURING	202.0	202.0	199.6	.0	2.4
Durable Goods[e]	136.9	136.9	136.4	.0	.5
Primary metal industries	20.9	21.1	20.8	-.1	.1
Iron and steel foundries	5.2	5.3	5.2	.0	.0
Fabricated metal products	33.0	33.1	31.5	-.1	1.4
Fabricated structural metal products	4.1	4.3	3.6	-.2	.4
Screw machine products, bolts, etc.	4.8	4.8	4.6	.0	.2
Metal forgings and stampings	11.7	11.7	11.1	.0	.6
Machinery, except electrical	28.9	28.9	29.1	.1	-.2
Construction and related machinery	2.6	2.6	2.6	.0	.1
Metalworking machinery	9.6	9.6	9.7	.0	-.1
Special industry machinery	2.5	2.5	2.9	.0	-.4
General industrial machinery	3.0	3.0	3.0	.0	.1
Electric and electronic equipment	18.0	17.8	18.2	.2	-.2
Electrical industrial apparatus	6.1	6.1	6.1	.0	.0
Transportation equipment	19.0	19.1	19.6	-.1	-.7
Motor vehicles and equipment	11.9	12.0	12.4	-.1	-.5
Instruments and related products	6.7	6.6	6.8	.1	-.2
Measuring and controlling devices	4.3	4.2	4.2	.1	.1
Nondurable Goods[f]	65.1	65.1	63.2	.1	1.9
Food and kindred products	7.0	7.1	6.8	.0	.2
Apparel and other textile products	3.9	3.9	4.1	.0	-.1
Paper and allied products	5.7	5.7	5.5	.0	.2
Printing and publishing	16.3	16.2	15.9	.1	.4
Chemicals and allied products	14.9	15.0	14.2	.0	.7
Rubber and misc. plastics products	12.3	12.3	11.9	.1	.5
NONMANUFACTURING[g]	687.4	687.8	669.0	-.5	18.4
CONSTRUCTION	25.1	25.9	23.2	-.8	1.9
TRANSPORTATION AND PUBLIC UTILITIES	39.6	39.7	40.4	-.1	-.8
Trucking and warehousing	11.7	11.7	11.1	.0	.5
Communication, electric, gas services	17.3	17.3	18.6	.0	-1.3
WHOLESALE TRADE	60.1	60.2	60.1	.0	.1
Wholesale trade-durable goods	41.3	41.4	41.7	-.1	-.4
RETAIL TRADE	153.9	155.3	149.0	-1.4	4.9
General merchandise stores	20.6	21.7	20.6	-1.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	55.2	55.2	53.3	.0	1.9
Banking	13.3	13.4	13.2	-.1	.1
Credit agencies other than banks	8.7	8.7	8.5	.0	.1
Insurance carriers	13.9	13.8	13.2	.1	.6
SERVICES	235.2	233.8	225.7	1.3	9.5
Business services	53.3	53.2	50.4	.2	2.9
Amusement and recreation services	6.0	6.1	6.1	-.1	.0
Health services	76.0	75.7	73.9	.2	2.1
Hospitals	43.0	43.0	41.6	.1	1.4
GOVERNMENT	117.3	116.8	116.2	.5	1.1
Federal government	20.6	20.5	20.3	.0	.2
State government	8.1	8.0	8.3	.1	-.2
State government education[i]	3.3	3.0	3.3	.3	.0
State government, except education	4.8	5.1	5.0	-.2	-.2
Local government	88.6	88.2	87.6	.4	1.1
Local government education	45.5	44.9	44.4	.6	1.1
Local government, except education	43.1	43.3	43.1	-.2	.0

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

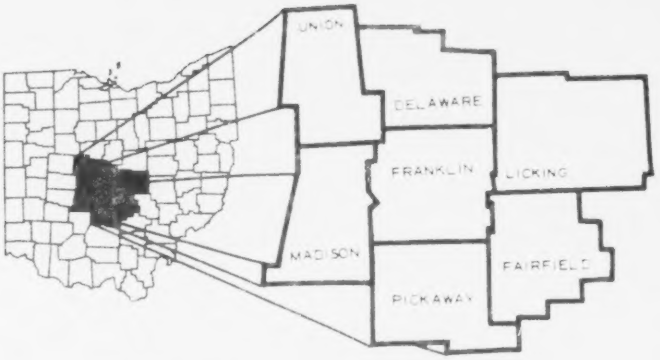
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$498.19	$503.53	$493.64	42.8	43.0	42.3	$11.64	$11.71	$11.67
Durable Goods[e]	534.45	540.85	529.76	43.7	43.9	43.0	12.23	12.32	12.32
Primary metal industries	577.66	602.36	639.85	45.2	46.3	45.9	12.78	13.01	13.94
Iron and steel foundries	797.79	898.39	856.80	46.6	50.9	50.4	17.12	17.65	17.00
Fabricated metal products	553.04	554.03	527.66	44.6	44.5	43.5	12.40	12.45	12.13
Fabricated structural metal products	389.50	381.74	370.00	40.7	39.6	40.0	9.57	9.64	9.25
Screw machine products, bolts, etc.	511.71	522.47	457.10	46.1	46.9	42.8	11.10	11.14	10.68
Metal forgings and stampings	703.55	706.80	685.88	46.5	46.5	46.5	15.13	15.20	14.75
Machinery,[j] except electrical	491.48	481.80	459.79	42.7	42.3	41.2	11.51	11.39	11.16
Construction and related machinery	419.53	440.82	377.04	45.9	47.4	41.8	9.14	9.30	9.02
Metalworking machinery	425.20	443.81	407.78	40.0	41.4	39.9	10.63	10.72	10.22
Special industry machinery	494.62	483.44	461.23	41.6	40.9	38.5	11.89	11.82	11.98
General industrial machinery	503.70	495.03	455.28	43.8	43.5	42.0	11.50	11.38	10.84
Electric and electronic equipment	451.31	453.23	432.80	42.1	42.2	40.6	10.72	10.74	10.66
Electrical industrial apparatus	493.54	489.94	458.56	42.4	42.2	41.2	11.64	11.61	11.13
Transportation equipment	694.33	711.16	701.50	45.5	46.0	46.0	15.26	15.46	15.25
Motor vehicles and equipment	758.18	780.47	735.08	45.4	46.1	46.0	16.70	16.93	15.98
Instruments and related products	405.04	407.97	394.15	41.8	41.8	41.1	9.69	9.76	9.59
Measuring and controlling devices	420.25	430.73	395.81	41.0	41.9	39.9	10.25	10.28	9.92
Nondurable Goods[f]	413.11	416.97	406.81	40.7	41.0	40.6	10.15	10.17	10.02
Food and kindred products	378.98	381.71	388.88	41.6	41.0	42.5	9.11	9.31	9.15
Apparel and other textile products	332.29	337.74	314.73	39.7	40.4	39.0	8.37	8.36	8.07
Paper and allied products	465.21	476.43	465.19	42.1	42.5	42.6	11.05	11.21	10.92
Printing and publishing	399.24	389.24	405.70	37.7	37.0	37.6	10.59	10.52	10.79
Chemicals and allied products	508.64	515.38	486.68	42.6	43.2	42.1	11.94	11.93	11.56
Rubber and misc. plastics products	372.20	384.88	370.86	42.2	43.1	42.0	8.82	8.93	8.83
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	571.26	583.02	548.73	40.4	41.0	40.2	14.14	14.22	13.65
WHOLESALE TRADE	400.67	400.28	391.00	38.6	38.9	39.1	10.38	10.29	10.00
RETAIL TRADE[h]	180.02	180.29	177.18	27.4	27.4	27.3	6.57	6.58	6.49
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	297.34	301.26	287.97	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	339.30	341.17	334.95	31.1	31.3	32.3	10.91	10.90	10.37

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	4,694	4,871	7,812
Active File of Job Seekers	63,093	61,325	90,798
Referrals to Jobs	1,679	1,681	1,960
Placements	278	285	334
Job Openings Received	1,054	904	837
Job Openings Unfilled	2,322	2,205	1,662
Unemployment Insurance Program			
Initial Claims	7,680	11,243	7,959
Continued Claims	86,928	81,615	86,799
First Payments	5,495	6,166	5,196
Last Payments	966	1,138	1,182
Weeks Compensated	67,765	64,489	73,332
Benefits Paid	$10,553,275	$9,736,382	$11,115,077
Average Weekly Payment	$158.04	$153.61	$153.88

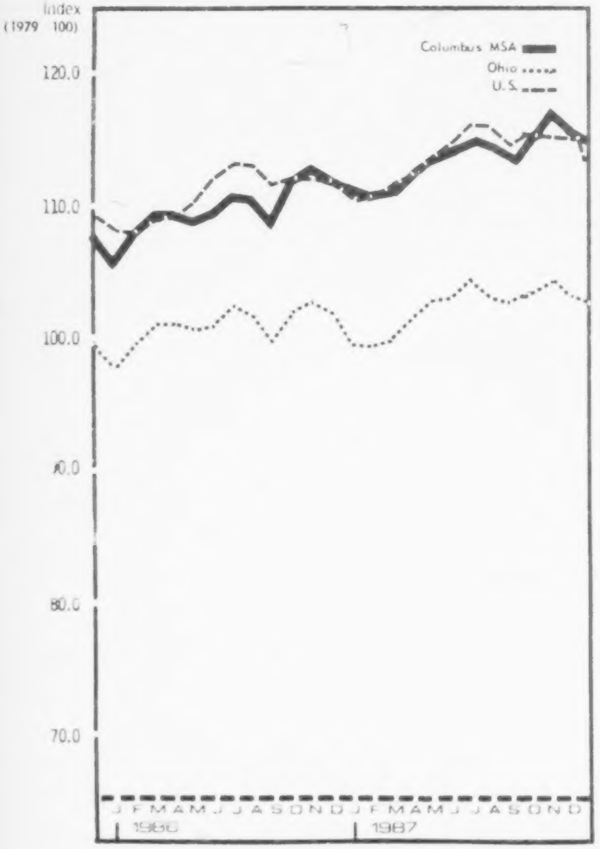
COLUMBUS
METROPOLITAN STATISTICAL AREA



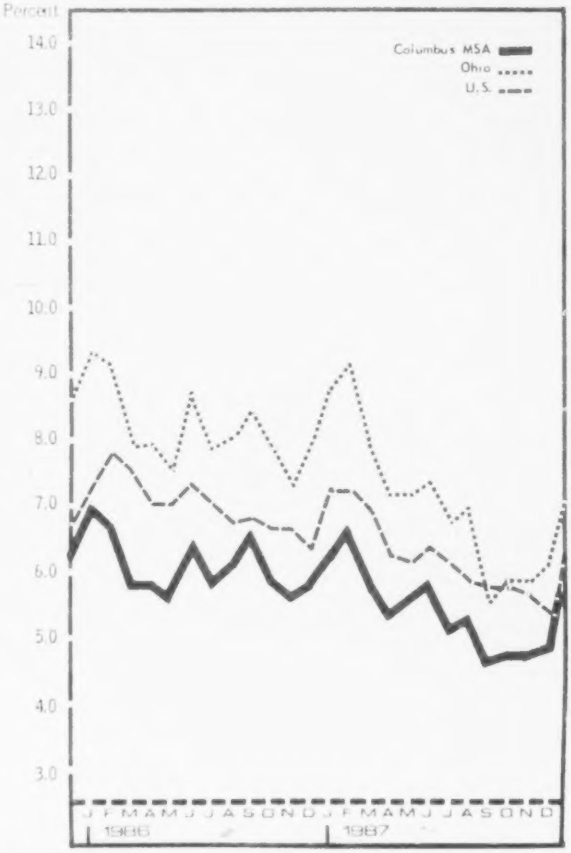
Total nonfarm employment in the Columbus metropolitan area gained 1,300 jobs since January, to 663,600 in February. Although seasonal reductions were noted in retail trade, nonmanufacturing employment advanced 1,900. Noteworthy improvements occurred in services and state and local schools and colleges. Reductions in fabricated metal products and electric and electronic equipment helped lower manufacturing employment 500 over the month, to 101,500. Production workers averaged $11.47 per hour, up $.15 from January. Their average workweek was slightly longer at 41.5 hours.

Nonagricultural wage and salary employment rose 21,800 from February 1987 to February 1988. Although nearly all nonmanufacturing industries expanded during the period, primary growth sectors were services and retail trade. Manufacturing employment decreased 1,700. Scattered growth in nondurable-goods industries was more than offset by declines in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

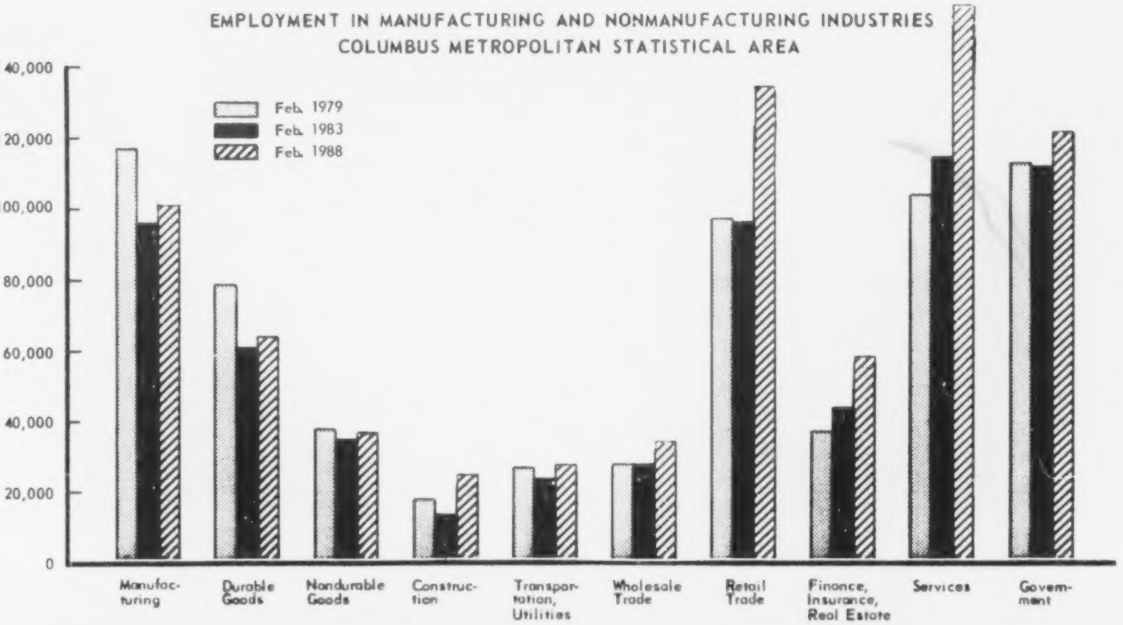


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
686.3	643.1	43.2	6.3	January	642.1	104.0	69.2	472.15	41.2	11.46
685.8	639.8	46.0	6.7	February	641.9	103.2	68.4	463.81	40.9	11.34
682.4	643.0	39.4	5.8	March	647.1	103.4	68.6	477.47	41.7	11.45
687.4	650.8	36.6	5.3	April	650.6	103.3	68.3	466.49	41.1	11.35
696.1	657.1	39.1	5.6	May	657.2	103.4	68.4	474.24	41.6	11.40
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5	11.40
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
702.0	662.3	39.7	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
INA	INA	INA	INA	February	663.6	101.5	66.5	476.01	41.5	11.47

INA - information not available


EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA

Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	663.6	662.3	641.9	1.3	21.8
MANUFACTURING	101.5	102.1	103.2	- .5	- 1.7
Durable Goods[e]	64.2	64.4	66.9	- .2	- 2.7
Stone, clay, and glass products	10.1	9.9	10.5	.2	- .4
Glass and glassware, pressed or blown.	3.8	3.6	4.2	.2	- .4
Fabricated metal products	9.2	9.5	9.4	- .3	- .2
Fabricated structural metal products	2.9	2.9	2.7	.0	.1
Machinery, except electrical	9.2	9.2	9.1	.0	.1
Electric and electronic equipment	10.8	11.0	11.0	- .3	- .2
Transportation equipment	13.1	12.9	15.4	.2	- 2.3
Instruments and related products	4.2	4.2	4.1	.0	.1
Nondurable Goods[f]	37.4	37.7	36.3	- .3	1.0
Food and kindred products	10.3	10.5	9.9	- .1	.4
Printing and publishing	10.2	10.3	10.0	- .1	.2
Chemicals and allied products	6.7	6.7	6.7	.0	.0
Rubber and misc. plastics products	5.4	5.4	5.2	.0	.2
NONMANUFACTURING[g]	562.1	560.2	538.6	1.9	23.5
CONSTRUCTION	25.6	25.9	23.0	- .3	2.6
TRANSPORTATION AND PUBLIC UTILITIES	27.9	27.8	27.2	.1	.6
Trucking and warehousing	11.5	11.5	11.3	.0	.2
Communication, electric, gas services	11.6	11.6	11.6	.0	.0
WHOLESALE TRADE	34.8	34.7	33.0	.2	1.8
Wholesale trade-durable goods	22.5	22.4	21.4	.1	1.2
RETAIL TRADE	134.2	135.2	128.2	- 1.0	6.0
General merchandise stores	22.4	23.1	20.2	- .7	2.2
FINANCE, INSURANCE, AND REAL ESTATE	58.4	58.1	56.1	.3	2.4
Banking	12.0	12.0	11.3	.0	.6
Insurance carriers	23.2	23.0	22.5	.2	.6
SERVICES	157.8	156.1	150.1	1.7	7.7
Business services	35.7	35.5	34.1	.2	1.6
Health services	40.4	40.3	38.6	.1	1.8
Hospitals	17.9	17.9	17.1	- .1	.8
GOVERNMENT	122.5	121.5	120.2	1.0	2.4
Federal government	15.3	15.2	15.6	.1	- .3
State government	55.1	54.5	53.4	.6	1.7
State government education[i]	23.8	23.5	23.4	.3	.4
State government, except education	31.3	31.0	30.0	.3	1.3
Local government	52.1	51.8	51.2	.3	1.0
Local government education	32.1	31.7	30.9	.4	1.2
Local government, except education	20.0	20.1	20.3	- .1	- .3

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$476.01	$468.65	$463.81	41.5	41.4	40.9	$11.47	$11.32	$11.34
Durable Goods[e]	488.22	474.86	474.78	41.8	41.4	41.0	11.68	11.47	11.58
Stone, clay, and glass products	462.13	464.04	443.13	39.6	39.9	38.6	11.67	11.63	11.48
Glass and glassware, pressed or blown	432.96	443.05	411.28	38.9	39.7	38.8	11.13	11.16	10.60
Fabricated metal products	503.07	498.98	492.44	40.9	40.8	40.9	12.30	12.23	12.04
Fabricated structural metal products	479.45	442.39	441.32	43.0	41.0	41.4	11.15	10.79	10.66
Machinery, except electrical	453.90	460.91	458.22	42.7	43.4	42.0	10.63	10.62	10.91
Electric and electronic equipment	452.35	458.43	437.98	40.9	41.6	39.6	11.06	11.02	11.06
Transportation equipment	631.10	568.49	562.87	45.6	43.1	43.0	13.84	13.19	13.09
Instruments and related products	403.13	396.04	423.95	39.6	38.6	41.2	10.18	10.26	10.29
Nondurable Goods[f]	450.84	456.23	440.78	40.8	41.4	40.7	11.05	11.02	10.83
Food and kindred products	433.42	437.53	438.04	39.8	40.4	40.9	10.89	10.83	10.71
Printing and publishing	519.56	536.67	486.86	38.6	40.2	37.8	13.46	13.35	12.88
Chemicals and allied products	548.66	556.41	542.30	42.4	42.9	42.6	12.94	12.97	12.73
Rubber and misc. plastics products	362.82	349.87	348.61	43.4	41.8	41.9	8.36	8.37	8.32
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	565.38	568.99	542.30	40.5	40.7	40.2	13.96	13.98	13.49
WHOLESALE TRADE	342.79	343.82	340.23	37.3	37.7	38.1	9.19	9.12	8.93
RETAIL TRADE[h]	175.06	177.72	166.04	28.1	28.3	28.0	6.23	6.28	5.93
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	260.27	259.14	258.31	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	336.78	336.78	320.76	34.4	34.4	33.8	9.79	9.79	9.49

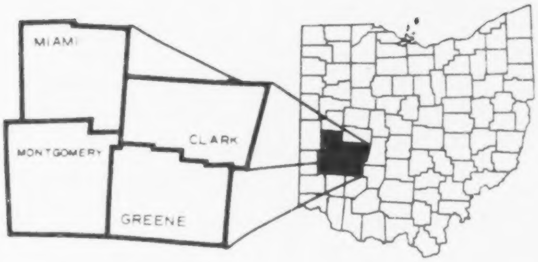
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	4,120	4,449	5,639
Active File of Job Seekers	33,598	31,742	40,238
Referrals to Jobs	2,075	1,701	2,314
Placements	563	308	514
Job Openings Received	1,081	1,197	1,295
Job Openings Unfilled	2,482	2,395	4,469
Unemployment Insurance Program			
Initial Claims	5,069	7,396	5,536
Continued Claims	53,181	51,216	53,364
First Payments	3,192	4,173	3,885
Last Payments	544	619*	533
Weeks Compensated	44,644	45,707	45,784
Benefits Paid	$7,080,238	$7,167,383	$6,864,213
Average Weekly Payment	$160.72	$159.29	$152.83

*REVISED

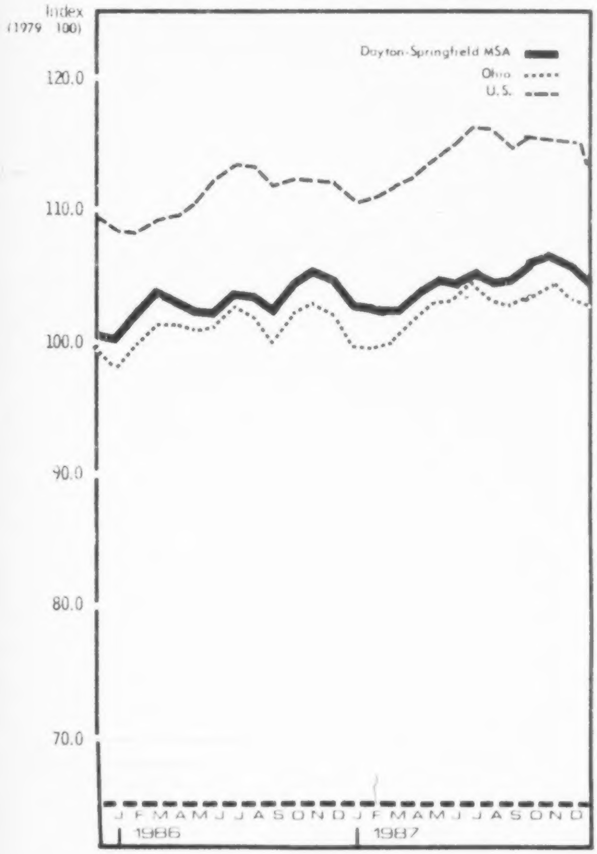
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



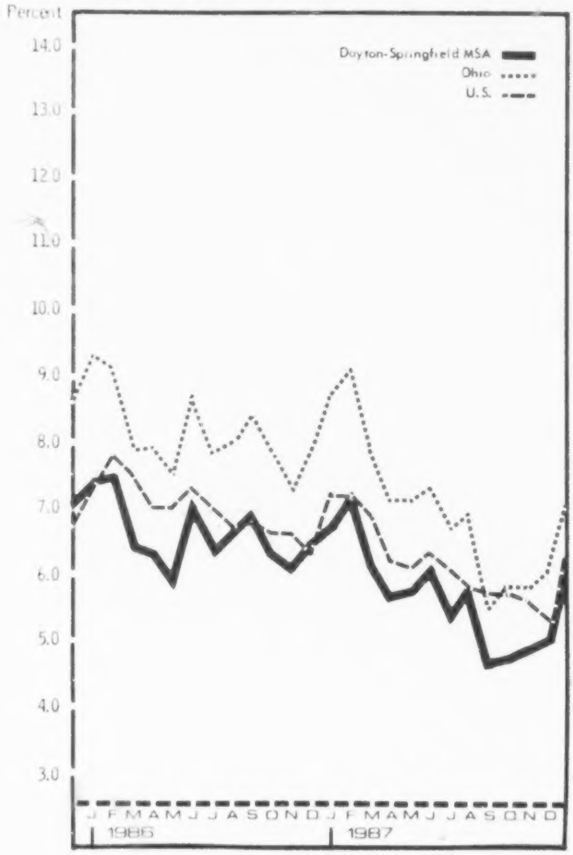
Nonfarm employment for the Dayton-Springfield area in February was 426,900, down 500 from January. Nonmanufacturing employment increased slightly as gains in services and local government offset losses in retail trade and construction. Reductions in transportation equipment and rubber and miscellaneous plastics products helped lower manufacturing employment 600, to 101,800. Production workers averaged a 42.4 hour workweek, up .2 hours from January. Their average hourly wage was $12.14, an increase of $.12.

Since February 1987, nonagricultural wage and salary employment increased 7,400. Gains in services, retail trade, and construction contributed most to the growth. Manufacturing employment declined 1,200 over the year due to losses in transportation equipment and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

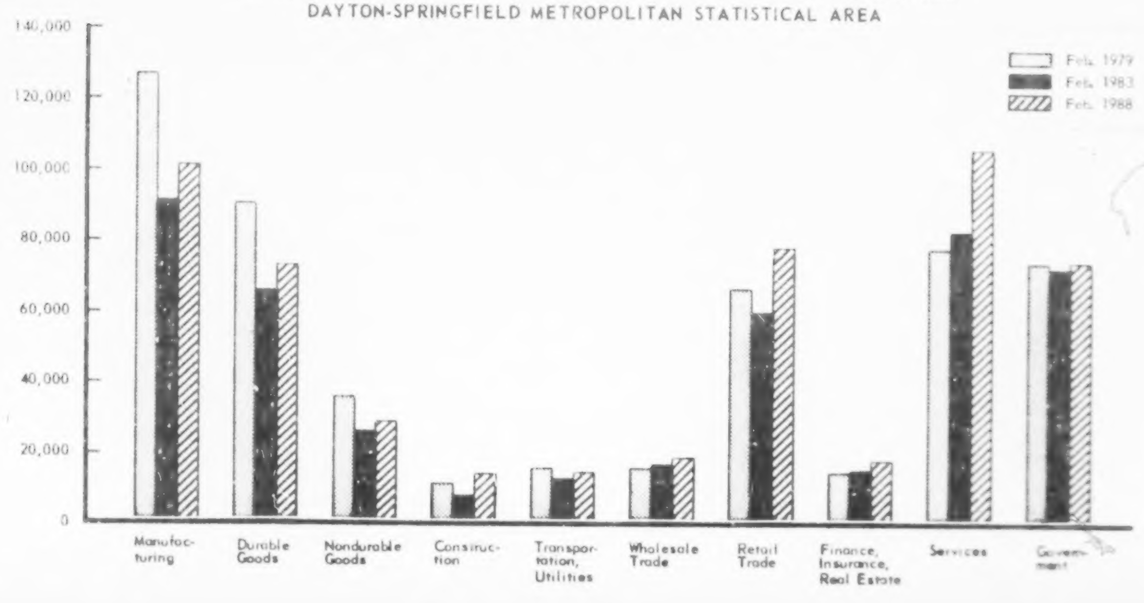


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
458.4	427.6	30.8	6.7	January	419.2	103.9	66.9	500.22	42.0	11.91
460.1	426.7	33.5	7.3	February	419.5	103.0	66.4	505.56	42.2	11.98
455.5	427.8	27.8	6.1	March	421.9	103.3	66.4	494.15	41.7	11.85
460.8	434.8	26.0	5.6	April	426.5	103.9	67.0	486.10	41.3	11.77
464.3	437.5	26.8	5.8	May	429.3	104.0	67.0	486.04	41.4	11.74
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.0	435.4	27.6	6.0	January	427.4	102.4	65.4	507.24	42.2	12.02
INA	INA	INA	INA	February	426.9	101.8	64.9	514.74	42.4	12.14

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	426.9	427.4	419.5	- .5	7.4
MANUFACTURING	101.8	102.4	103.0	- .6	- 1.2
Durable Goods[e]	73.0	73.4	74.4	- .4	- 1.4
Fabricated metal products	8.3	8.2	8.4	.0	- .1
Machinery, except electrical	30.3	30.4	30.3	- .1	.0
Metalworking machinery	6.5	6.6	6.7	.0	- .1
General industrial machinery	2.8	2.7	2.3	.0	.4
Electric and electronic equipment	5.8	5.9	5.8	- .1	.0
Electrical industrial apparatus	3.5	3.5	3.5	.0	.0
Transportation equipment	19.6	19.8	21.0	- .2	- 1.4
Nondurable Goods[f]	28.8	29.0	28.6	- .2	.2
Food and kindred products	2.8	2.8	2.7	.0	.2
Paper and allied products	6.0	6.0	5.7	.0	.3
Printing and publishing	8.6	8.6	8.4	- .1	.2
Rubber and misc. plastics products	7.7	8.0	8.2	- .2	- .4
NONMANUFACTURING[g]	325.1	325.0	316.5	.1	8.6
CONSTRUCTION	14.8	15.3	13.6	- .5	1.2
TRANSPORTATION AND PUBLIC UTILITIES	15.1	15.1	15.1	.0	.0
Communication, electric, gas services	5.4	5.4	5.7	.0	- .3
WHOLESALE TRADE	18.6	18.6	18.1	.0	.5
Wholesale trade-durable goods	12.4	12.4	12.0	.0	.3
RETAIL TRADE	78.0	78.9	75.2	- .9	2.8
General merchandise stores	12.1	12.6	11.8	- .5	.3
FINANCE, INSURANCE, AND REAL ESTATE	17.7	17.7	17.4	.0	.3
Banking	4.2	4.1	4.3	.0	- .2
Credit agencies other than banks	4.8	4.8	4.5	.0	.3
Insurance carriers	2.7	2.7	3.0	- .1	- .3
SERVICES	106.3	105.4	102.0	.8	4.3
Business services	26.2	25.9	24.5	.3	1.7
Health services	35.8	35.9	35.2	- .1	.7
Hospitals	18.4	18.5	18.5	.0	- .1
Educational services	8.6	8.1	8.3	.4	.3
GOVERNMENT	74.2	73.6	74.8	.6	- .6
Federal government	28.1	28.1	27.6	.0	.4
State government	7.5	7.3	7.1	.2	.4
State government education[1]	4.6	4.4	4.4	.2	.2
State government, except education	2.9	2.9	2.8	.0	.2
Local government	38.6	38.2	40.0	.5	- 1.4
Local government education	24.0	23.7	25.7	.3	- 1.7
Local government, except education	14.6	14.5	14.3	.1	.3

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

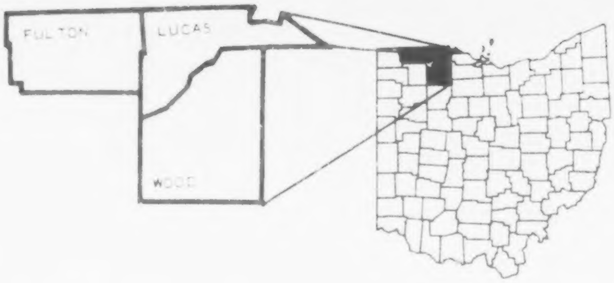
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$514.74	$507.24	$505.56	42.4	42.2	42.2	$12.14	$12.02	$11.98
Durable Goods[e]	518.64	513.57	516.06	42.2	42.2	42.3	12.29	12.17	12.20
Fabricated metal products	409.53	403.12	377.87	43.8	43.3	40.5	9.35	9.31	9.33
Machinery, except electrical	554.70	553.41	553.84	42.9	43.0	42.9	12.93	12.87	12.91
Metalworking machinery	558.76	551.30	508.37	45.8	45.3	42.9	12.20	12.17	11.85
General industrial machinery	438.29	436.48	394.75	41.0	41.1	38.4	10.69	10.62	10.28
Electric and electronic equipment	441.19	454.02	413.76	44.7	46.0	43.1	9.87	9.87	9.60
Electrical industrial apparatus	509.64	546.61	491.51	46.5	49.2	45.3	10.96	11.11	10.85
Transportation equipment	624.58	608.28	614.38	41.5	41.1	42.4	15.05	14.80	14.49
Nondurable Goods[f]	499.16	488.78	473.59	42.7	42.1	41.8	11.69	11.61	11.33
Food and kindred products	352.46	344.35	355.75	40.7	40.8	42.2	8.66	8.44	8.43
Paper and allied products	516.20	513.47	496.96	46.8	46.3	46.1	11.03	11.09	10.78
Printing and publishing	424.21	421.37	422.14	38.6	38.8	38.8	10.99	10.86	10.88
Rubber and misc. plastics products	647.09	611.48	570.04	43.4	41.4	40.4	14.91	14.77	14.11
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services ..	534.76	538.00	512.99	39.7	40.0	39.1	13.47	13.45	13.12
WHOLESALE TRADE	420.49	409.94	399.37	40.2	39.8	40.3	10.46	10.30	9.91
RETAIL TRADE[h]	156.48	156.02	152.01	27.5	26.9	27.0	5.69	5.80	5.63
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	370.91	371.98	360.51	34.6	34.7	34.4	10.72	10.72	10.48

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	2,628	2,375	2,855
Active File of Job Seekers	20,449	19,360	25,685
Referrals to Jobs	1,027	853	1,312
Placements	251	165	304
Job Openings Received	683	559	723
Job Openings Unfilled	2,230	2,041	1,518
Unemployment Insurance Program			
Initial Claims	3,173	4,679	3,236
Continued Claims	36,329	34,438	34,746
First Payments	2,607	2,569	2,722
Last Payments	381	394	364
Weeks Compensated	32,737	27,932	31,081
Benefits Paid	$4,817,885	$3,978,584	$4,403,600
Average Weekly Payment	$149.63	$145.59	$144.19

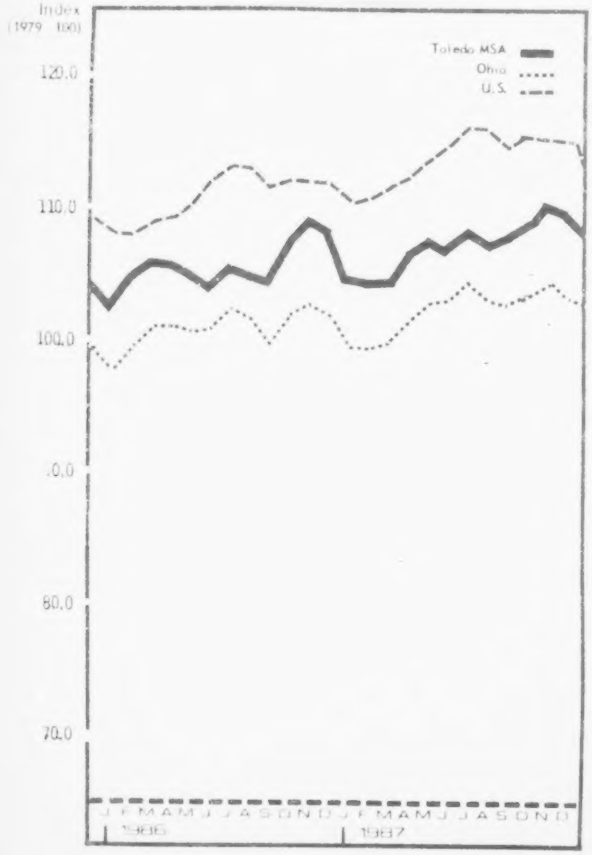
TOLEDO
METROPOLITAN STATISTICAL AREA



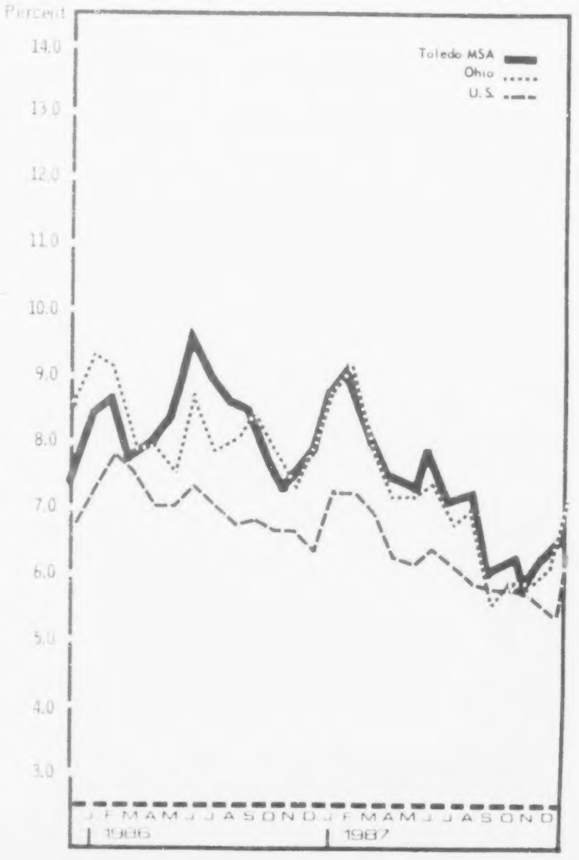
The Toledo metropolitan area nonagricultural wage and salary employment level was relatively unchanged from January, at 281,600 in February. Increases in state government education counterbalanced seasonal decreases in retail trade and construction. Moderate losses in durable- and nondurable-goods industries lowered manufacturing employment slightly, to 61,900. Factory workers averaged a 41.5 hour workweek, 2.2 hours shorter than last month. Their average earnings decreased $.26, to $12.84 per hour.

Nonfarm employment since February 1987 has advanced 10,000, with noteworthy improvements in services, retail trade, and construction. Manufacturing employment reflected modest growth as gains in nondurable-goods industries overshadowed scattered losses in durable goods, especially in motor vehicles and equipment and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

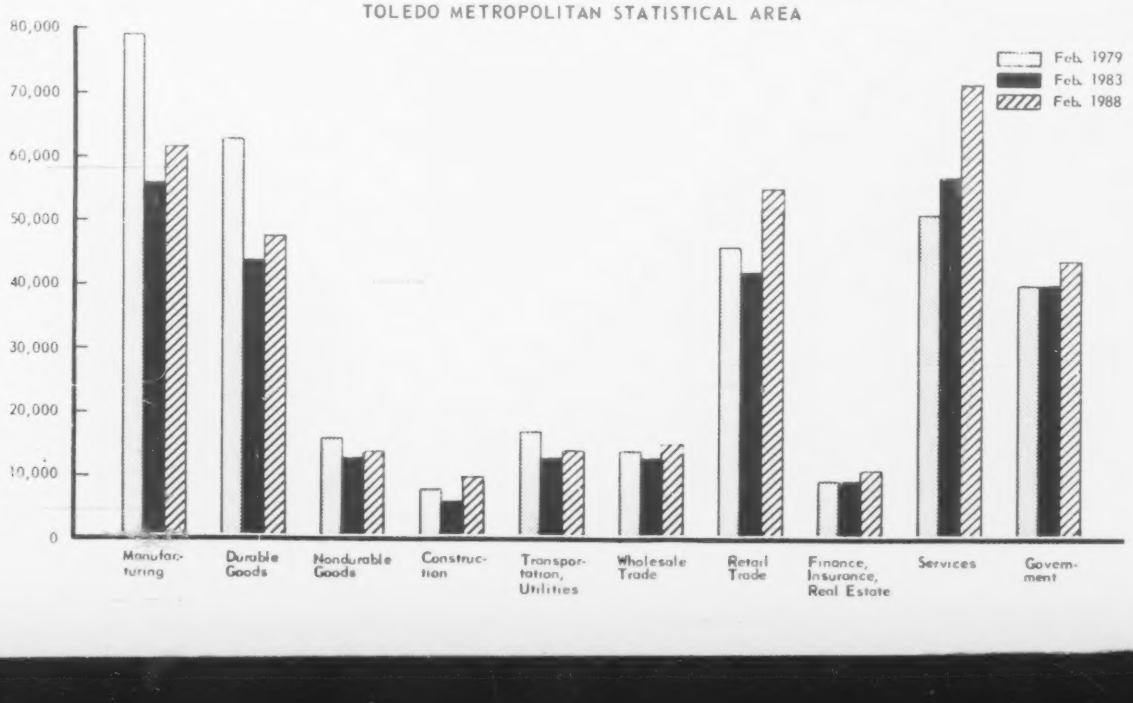


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
305.5	278.7	26.8	8.8	January	271.2	61.9	43.7	554.63	43.5	12.75
306.1	278.0	28.1	9.2	February	271.5	61.8	43.4	547.78	43.2	12.68
303.4	279.0	24.4	8.0	March	273.4	61.9	43.6	543.56	42.8	12.70
307.9	284.8	23.0	7.5	April	277.4	62.0	43.8	537.21	42.4	12.67
310.3	287.5	22.8	7.3	May	280.2	61.8	43.4	532.55	41.9	12.71
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.1	288.7	20.3	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
INA	INA	INA	INA	February	281.6	61.9	44.2	532.86	41.5	12.84

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	281.6	281.5	271.5	.0	10.0
MANUFACTURING	61.9	62.2	61.8	-.3	.1
Durable Goods[e]	47.8	47.9	48.2	.0	-.4
Stone, clay, and glass products	8.2	8.1	8.0	.0	.1
Primary metal industries	3.5	3.4	3.6	.1	-.1
Fabricated metal products	7.6	7.5	7.7	.1	-.1
Metal forgings and stampings	3.3	3.3	3.4	.0	-.2
Machinery, except electrical	6.1	6.1	6.0	.1	.1
Electric and electronic equipment	2.3	2.4	2.6	-.1	-.3
Transportation equipment	15.5	15.6	16.0	-.1	-.5
Motor vehicles and equipment	14.6	14.7	15.1	-.1	-.5
Nondurable Goods[f]	14.1	14.3	13.6	-.2	.5
Food and kindred products	3.6	3.7	3.4	-.1	.3
Rubber and misc. plastics products	3.1	3.0	2.8	.0	.2
NONMANUFACTURING[g]	219.7	219.3	209.7	.3	9.9
CONSTRUCTION	10.1	10.4	8.7	-.3	1.4
TRANSPORTATION AND PUBLIC UTILITIES	13.4	13.4	13.0	.0	.3
Trucking and warehousing	5.3	5.3	5.1	.0	.2
Communication, electric, gas services	5.0	5.0	5.0	.0	.0
WHOLESALE TRADE	14.9	14.9	14.2	.1	.7
Wholesale trade-durable goods	9.8	9.8	9.5	.0	.3
RETAIL TRADE	54.9	55.6	51.9	-.7	3.0
General merchandise stores	7.2	7.6	7.6	-.4	-.4
FINANCE, INSURANCE, AND REAL ESTATE	11.2	11.2	11.1	-.1	.1
Banking	3.6	3.6	3.4	.0	.1
SERVICES	71.6	71.1	67.8	.5	3.8
Business services	15.1	15.0	13.5	.1	-1.6
Health services	27.1	27.0	26.7	.0	.4
Hospitals	15.2	15.2	15.1	.1	.1
GOVERNMENT	43.5	42.5	42.8	1.0	.7
State government	16.2	15.3	16.0	.9	.1
State government education[1]	12.1	11.2	12.1	.9	.0
State government, except education	4.1	4.1	4.0	.0	.1
Local government	24.6	24.5	24.1	.1	.5
Local government education	14.3	14.2	14.0	.1	.3
Local government, except education	10.3	10.3	10.1	.0	.2

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

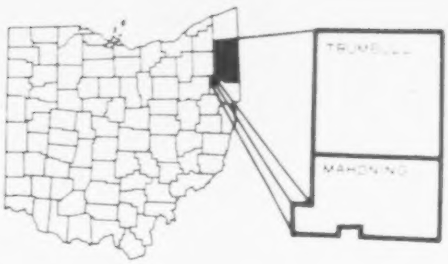
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$532.86	$572.47	$547.78	41.5	43.7	43.2	$12.84	$13.10	$12.68
Durable Goods[e]	555.27	597.52	569.42	41.5	44.0	43.5	13.38	13.58	13.09
Stone, clay, and glass products	506.18	510.94	527.94	39.7	40.2	41.9	12.75	12.71	12.60
Primary metal industries	474.88	483.75	525.32	42.4	43.0	46.0	11.20	11.25	11.42
Fabricated metal products	558.99	601.81	555.66	43.4	46.4	44.1	12.88	12.97	12.60
Metal forgings and stampings	726.33	769.20	696.14	46.5	48.9	47.1	15.62	15.73	14.78
Machinery, except electrical	522.54	520.80	486.78	43.4	43.4	42.7	12.04	12.00	11.40
Electric and electronic equipment	558.57	561.92	538.06	43.3	43.9	42.3	12.90	12.80	12.72
Transportation equipment	632.79	734.95	665.76	39.5	45.2	43.8	16.02	16.26	15.20
Motor vehicles and equipment	635.52	741.56	669.48	39.4	45.3	43.9	16.13	16.37	15.25
Nondurable Goods[f]	450.28	479.40	470.11	41.5	42.5	42.2	10.85	11.28	11.14
Food and kindred products	535.68	564.89	607.35	43.2	45.3	45.7	12.40	12.47	13.29
Rubber and misc. plastics products	348.18	347.33	317.19	42.0	41.3	39.5	8.29	8.41	8.03
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	583.20	598.01	570.56	40.5	41.1	40.9	14.40	14.55	13.95
WHOLESALE TRADE	365.94	370.37	345.03	38.0	38.5	37.1	9.63	9.62	9.30
RETAIL TRADE[h]	156.50	159.57	156.52	28.3	28.7	28.0	5.53	5.56	5.59

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	2,130	1,997	2,323
Active File of Job Seekers	18,333	17,188	22,275
Referrals to Jobs	1,005	797	788
Placements	256	239	180
Job Openings Received	528	411	372
Job Openings Unfilled	666	611	717
Unemployment Insurance Program			
Initial Claims	4,623	5,438	4,497
Continued Claims	30,036	28,104	32,382
First Payments	2,163	2,075	2,301
Last Payments	285	351	393
Weeks Compensated	23,806	21,706	27,520
Benefits Paid	$3,591,481	$3,202,359	$4,051,210
Average Weekly Payment	$153.61	$150.97	$150.61

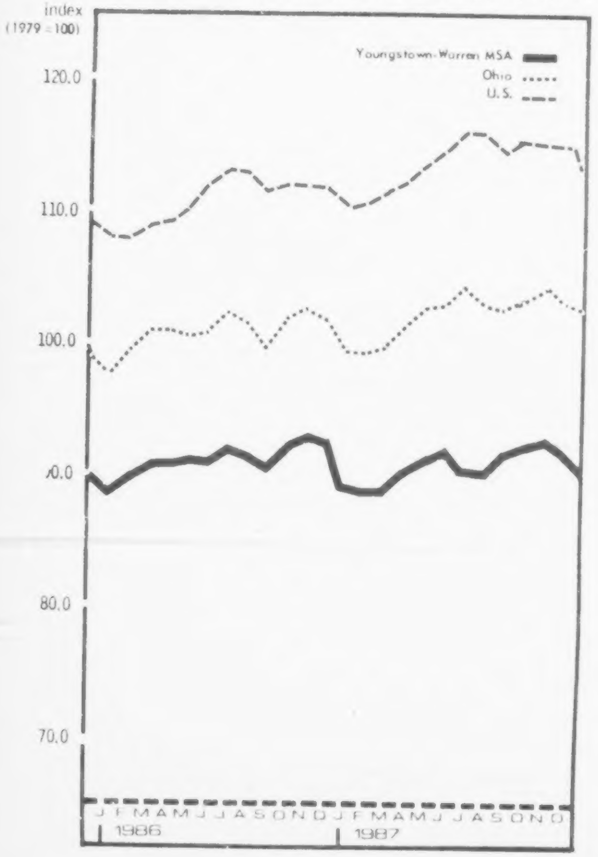
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



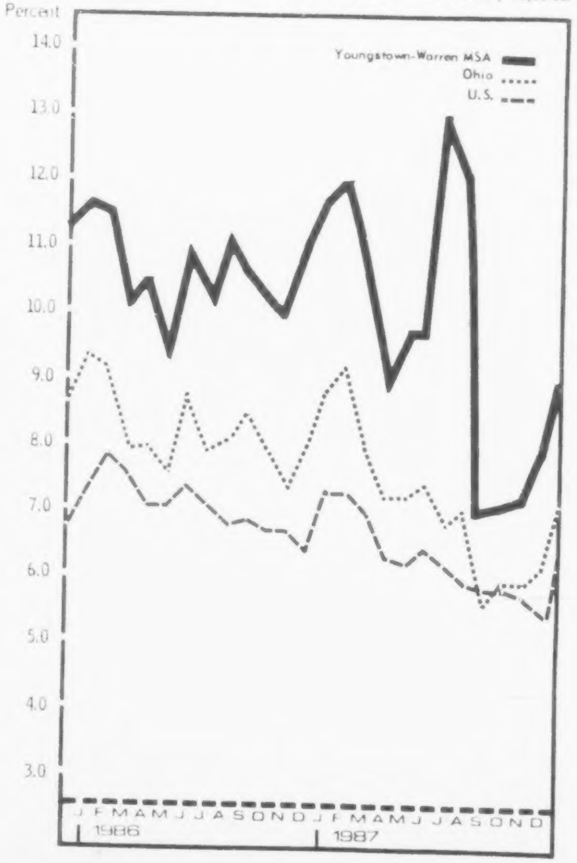
Youngstown-Warren metropolitan area nonfarm employment increased 500 from January, to 187,800 in February. Manufacturing employment showed a slight improvement, at 49,200, due to more jobs in primary metal industries. Gains in state and local schools and colleges more than offset seasonal losses in retail trade and construction, raising nonmanufacturing employment 400 over the month. Factory production workers averaged $13.38 per hour, up $.04 from January. They worked .3 hours less, for an average workweek of 41.5 hours.

Total nonagricultural employment advanced 3,500 since February 1987. The growth occurred in nonmanufacturing industries, especially in retail trade, services, wholesale trade, and construction. Manufacturing employment decreased slightly as a reduction in transportation equipment overshadowed gains in nondurable goods.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO AND U.S. (Not Seasonally Adjusted)

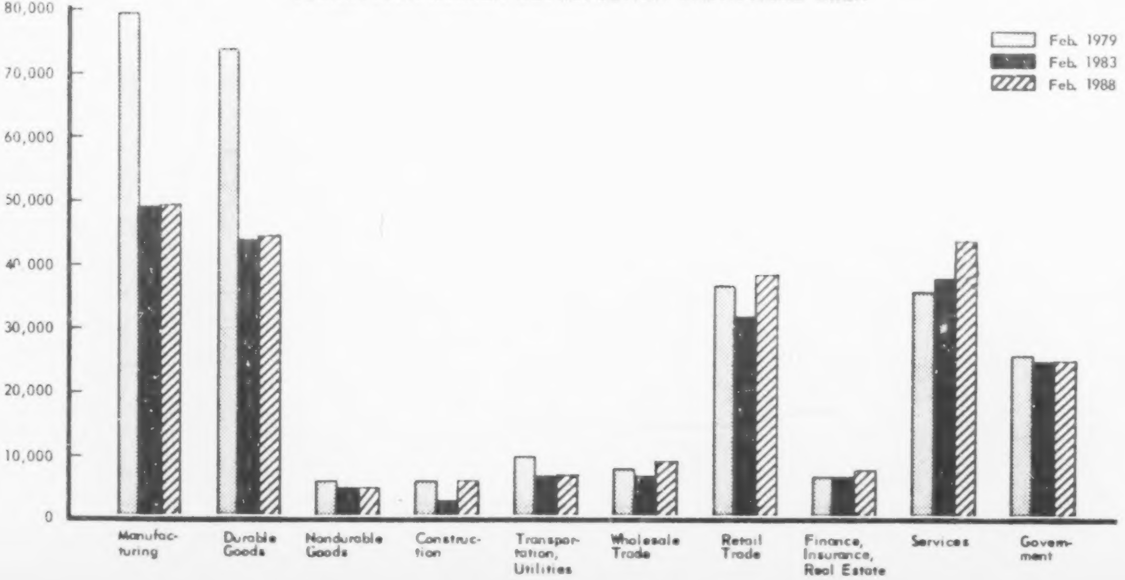


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
221.7	195.8	25.9	11.7	January	183.9	49.2	36.9	577.37	42.8	13.49
222.2	195.5	26.8	12.0	February	184.3	49.3	36.9	580.13	43.1	13.46
217.9	195.5	22.4	10.3	March	185.2	49.6	37.2	579.79	43.3	13.39
218.4	199.1	19.3	8.8	April	187.4	49.7	37.4	571.94	43.1	13.27
223.0	201.5	21.5	9.7	May	189.6	49.1	36.8	565.78	42.7	13.25
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.7	199.1	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
INA	INA	INA	INA	February	187.8	49.2	37.4	555.27	41.5	13.38

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1988[b]	January 1988[c]	February 1987[c]	From Last Month	From Last Year
TOTAL	187.8	187.3	184.3	.5	3.5
MANUFACTURING	49.2	49.1	49.3	.1	-.1
Durable Goods[e]	44.1	43.8	44.4	.2	-.3
Primary metal industries	18.4	18.0	18.4	.3	.0
Blast furnace and basic steel products	5.6	5.6	5.7	.1	-.1
Fabricated metal products	7.4	7.4	7.2	.0	.1
Machinery, except electrical	3.7	3.7	3.7	.0	.0
Electric and electronic equipment	2.2	2.2	2.3	.0	-.1
Transportation equipment	9.5	9.5	9.8	.0	-.3
Nondurable Goods[f]	5.1	5.3	5.0	-.1	.2
NONMANUFACTURING[g]	138.5	138.2	134.9	.4	3.6
CONSTRUCTION	6.0	6.2	5.4	-.3	.6
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.5	7.5	.0	-.1
Communication, electric, gas services	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	9.7	9.8	8.9	-.1	.7
Wholesale trade-durable goods	6.1	6.1	5.7	-.1	.4
RETAIL TRADE	38.5	38.7	37.1	-.2	1.4
General merchandise stores	5.1	5.4	5.3	-.3	-.2
FINANCE, INSURANCE, AND REAL ESTATE	8.1	8.2	8.0	-.1	.0
Banking	2.8	2.8	2.8	.0	.0
SERVICES	43.7	43.3	42.6	.4	1.1
Health services	19.4	19.4	19.0	.0	.4
Hospitals	10.0	10.0	10.0	.0	.0
GOVERNMENT	24.7	24.0	24.7	.7	-.1
State government	4.3	3.9	4.3	.4	.0
State government education[i]	2.8	2.4	2.9	.4	-.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.3	17.9	18.3	.3	.0
Local government education	12.0	11.8	12.0	.2	.0
Local government, except education	6.3	6.2	6.3	.1	-.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]	Feb. 1988[b]	Jan. 1988[c]	Feb. 1987[c]
MANUFACTURING	$555.27	$557.61	$580.13	41.5	41.8	43.1	$13.38	$13.34	$13.46
Durable Goods[e]	570.15	571.20	598.05	41.8	42.0	43.4	13.64	13.60	13.78
Primary metal industries	606.53	606.94	612.47	41.6	41.6	42.8	14.58	14.59	14.31
Blast furnace and basic steel products	657.05	604.78	638.68	47.1	44.6	45.2	13.95	13.56	14.13
Fabricated metal products	540.88	542.75	583.62	41.1	41.4	42.6	13.16	13.11	13.70
Machinery, except electrical	490.49	505.61	482.47	42.8	43.4	41.7	11.46	11.65	11.57
Electric and electronic equipment	452.48	462.87	411.95	40.4	41.7	38.5	11.20	11.10	10.70
Transportation equipment	628.73	627.88	706.88	42.8	42.8	47.0	14.69	14.67	15.04
Nondurable Goods[f]	402.48	406.36	396.59	39.0	39.3	40.1	10.32	10.34	9.89
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	537.20	537.77	522.72	39.5	39.6	39.6	13.60	13.58	13.20
WHOLESALE TRADE	350.21	345.92	340.10	38.4	37.6	38.3	9.12	9.20	8.88
RETAIL TRADE[h]	171.57	171.03	170.82	28.5	28.6	29.2	6.02	5.98	5.85

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1988	January 1988	February 1987
Employment Service Program			
New Applicants	2,048	2,174	1,862
Active File of Job Seekers	16,911	15,946	28,315
Referrals to Jobs	1,364	1,633	1,010
Placements	247	419	202
Job Openings Received	500	576	339
Job Openings Unfilled	599	419	494
Unemployment Insurance Program			
Initial Claims	4,013	5,833	4,458
Continued Claims	27,137	26,119	34,223
First Payments	1,868	2,328	2,413
Last Payments	276	334	360
Weeks Compensated	23,857	22,765	30,494
Benefits Paid	$3,525,554	$3,198,729	$4,505,998
Average Weekly Payment	$150.60	$144.01	$151.97

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	February 1988	January 1988	February 1987
New Applicants	38,003	40,602	42,617
Active File of Job Seekers	292,815	278,099	383,875
Counseling Interviews	1,084	1,069	2,004
Tests Administered	4,169	6,835	4,419
General Aptitude Tests	348	543	405
Proficiency Tests	413	469	611
Specific Aptitude Tests	1,110	1,688	1,185
Referrals to Jobs	20,640	20,091	20,128
Placements	4,802	3,603	4,529
Job Openings Received	9,454	8,399	8,456
Job Openings Unfilled	16,919	16,301	17,442

Selected Unemployment Insurance Activities

	February 1988	January 1988	February 1987
Initial Claims	56,872	87,845	60,049
Continued Claims	577,761	549,700	591,587
First Payments	37,532	44,622	39,802
Last Payments	5,717	6,257*	7,244
Average Weekly Claimants	135,868	132,314	145,725
Average Weekly Benefit Recipients	119,232	101,593	128,508
Weeks Compensated	476,928	449,708	514,031
Benefits Paid	$73,408,382	$67,287,861	$76,217,472
Average Weekly Payment	$156.82	$153.48	$151.53
Continued Claims for Survey Week	140,204	135,584	146,359
Insured Unemployment Rate	3.2	3.1	3.5
Net Contributions	$76,085,364	$24,396,020	$69,602,078
Active Employer Accounts	197,625	198,003	194,258

*REVISED

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Labor Market Review

March 1988

Summary. Ohio's seasonally adjusted unemployment rate was 7.7 percent in March, up sharply from 6.4 percent in February. The national rate was 5.6 percent, down slightly from the February level. Total employment in Ohio, at 4,958,000, was down 55,000 from February. The number of unemployed workers rose 69,000, to 411,000. Nonagricultural payroll employment (seasonally adjusted) in Ohio totaled 4,668,000 in March, up 3,000 from February. (See page 3.)

Factory Employment. Manufacturing employment in Ohio fell 6,000 from February, to 1,095,000 in March. Most of the decline occurred as a labor-management dispute lowered employment in durable goods to 732,000, from 737,000 the previous month. Nondurable-goods employment, at 364,000, was down fractionally.

Nonmanufacturing. Employment in nonmanufacturing industries advanced 10,000 from February, to 3,572,000 in March. Services gained 5,000; government increased 2,000. Transportation and public utilities and retail trade rose 1,000 each. Employment in all other nonmanufacturing divisions was unchanged from February.

Over the Year. Ohio's total employment increased 120,000 from March 1987 to March 1988. There were 12,000 more jobless Ohioans in March 1988 than in March 1987, raising the unemployment rate from 7.6 percent to 7.7 percent. The U.S. rate fell from 6.5 to 5.6 percent during the same period. Nonfarm wage and salary employment was up 116,000 from March 1987. Employment in services increased 46,000, retail trade advanced 26,000, and construction rose 18,000. Mining was the only nonmanufacturing division to lose employment, declining 1,000. Manufacturing employment was up 2,000, as an increase of 7,000 in nondurable-goods employment was nearly offset by losses in durable goods.

Factory Hours and Earnings. Manufacturing production workers in Ohio grossed an average of $510.18 per week in March, up $7.32 from February. Their average workweek of 42.8 hours was .4 hours longer. Most industries had higher earnings. The effect of a sizable increase in motor vehicles and equipment, resulting from additional overtime, was reduced by loss of earnings due to a labor-management dispute in aircraft and parts. Metal forgings and stampings, miscellaneous plastics products, iron and steel foundries, and meat products also had important increases.

Benefits and Costs. There were 46,783 initial claims filed under the Ohio Unemployment Compensation Law in March, down 17.7 percent from February, and down 20.6 percent from March 1987. Total benefits paid, at $81.7 million, were up 11.3 percent from February. The average weekly benefit check of $156.95 was fractionally higher. The average weekly number of benefit recipients declined 3.7 percent, to 114,848. At the end of March, there were 199,798 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Grace Kilbane, Acting Administrator

Employment Service. The Ohio Bureau of Employment Services aided 40,729 new job applicants in March, up 7.2 percent from February and up 7.6 percent from March 1987. The number of job openings received increased 31.4 percent, to 12,420. The Employment Services Division made 25,632 job referrals and 5,521 placements.

Ohio has become a Wage Recording State

Ohio's system of payroll reporting is changing significantly as a result of congressional action taken in 1984. The Social Security Act was amended to require states to establish a system to crossmatch income eligibility data and to collect individual employee wage data from their employers. In Ohio, the Unemployment Compensatation Law was changed to meet the congressional mandate and, simultaneously, to convert from a wage request system to a wage reporting system for unemployment compensation purposes. Under this system, OBES will collect wage data for all employees on a quarterly basis instead of requesting wage information when an application for benefits is filed.

Some of the benefits of the Wage Record System are:
- streamlining of the claims processing procedure;
- revealing of unreported employment; and
- reduction in the number of UC appeals.

For more information about the Wage Record System, contact OBES on the Wage Record Hotline (1-800-654-8098).

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Mar. 1988	Feb. 1988	Mar. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,369	5,355	5,237	14	132	0.3	2.5
Employment	4,958	5,013	4,838	-55	120	-1.1	2.5
Unemployment	411	342	399	69	12	20.2	3.0
Unemployment Rate	7.7	6.4	7.6				
Employer Survey Data[e]							
Total	4,668	4,665	4,552	3	116	0.1	2.5
Manufacturing	1,095	1,102	1,093	-6	2	-0.6	0.2
Durable Goods	732	737	737	-6	-5	-0.8	-0.7
Nondurable Goods	364	364	356	-1	7	-0.2	2.1
Nonmanufacturing	3,572	3,563	3,459	10	113	0.3	3.3
Mining	20	20	21	0	-1	-2.0	-6.5
Construction	192	192	175	0	18	0.1	10.1
Transportation and Public Utilities	208	207	206	1	2	0.6	1.0
Wholesale Trade	254	254	246	0	8	0.1	3.1
Retail Trade	870	869	845	1	26	0.1	3.0
Finance, Insurance, and Real Estate	249	249	241	0	9	0.2	3.6
Services	1,084	1,079	1,038	5	46	0.5	4.4
Government	694	692	687	2	7	0.3	1.0
Goods Producing Industries[f]	1,308	1,315	1,289	-7	19	-0.5	1.4
Service Producing Industries[g]	3,360	3,350	3,263	10	97	0.3	3.0

[a] Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	US	
					1986
5,305	4,900	405	7.6	7.1	March
5,243	4,816	427	8.1	7.1	April
5,180	4,773	407	7.9	7.2	May
5,197	4,746	451	8.7	7.1	June
5,200	4,777	423	8.1	7.0	July
5,194	4,773	421	8.1	6.9	August
5,174	4,737	437	8.4	7.0	September
5,230	4,813	417	8.0	6.9	October
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February
5,369	4,958	411	7.7	5.6	March

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural			
		Manufacturing		
			Durable	Nondurable
1986				
March	4,437	1,117	760	356
April	4,458	1,117	760	357
May	4,463	1,112	755	356
June	4,464	1,112	755	357
July	4,472	1,108	751	357
August	4,481	1,107	750	357
September	4,484	1,098	742	356
October	4,495	1,098	740	358
November	4,509	1,102	744	358
December	4,521	1,103	745	357
1987				
January	4,532	1,096	740	356
February	4,549	1,099	742	357
March	4,552	1,093	737	356
April	4,552	1,096	738	357
May	4,560	1,094	736	357
June	4,568	1,092	735	357
July	4,567	1,082	725	358
August	4,589	1,095	734	360
September	4,597	1,097	737	360
October	4,610	1,097	736	361
November	4,626	1,100	738	362
December	4,639	1,103	739	364
1988				
January	4,654	1,104	739	366
February	4,665	1,102	737	364
March	4,668	1,095	732	364

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1986				
3,320	24	156	202	244	March	810	227	981	676
3,342	23	161	203	244	April	813	229	990	677
3,351	23	161	203	244	May	815	231	996	679
3,352	22	160	198	244	June	818	232	998	679
3,364	22	160	204	244	July	820	233	1006	676
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694

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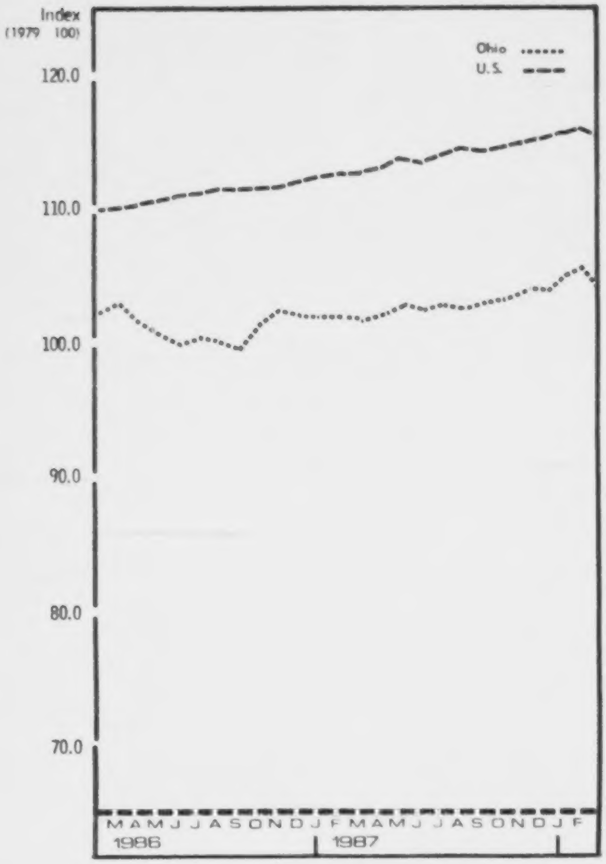
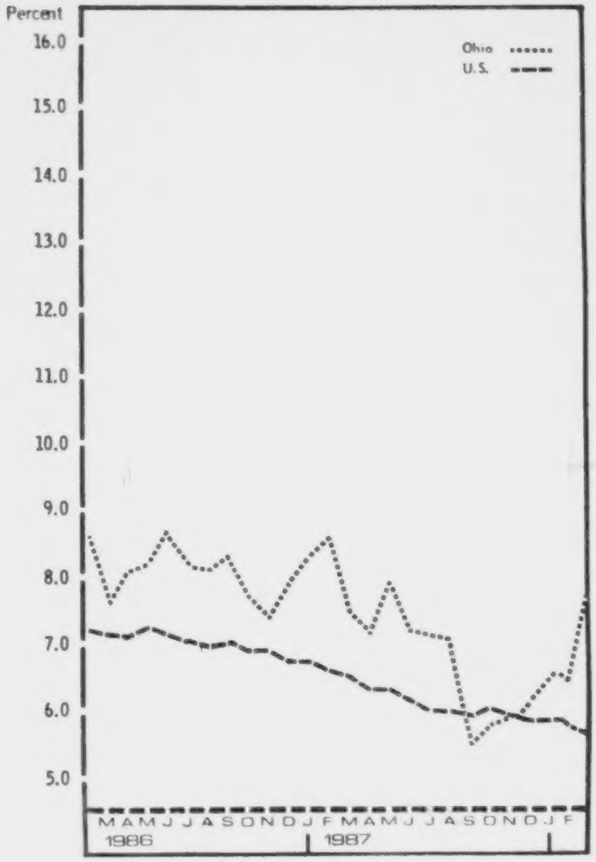
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S. (Seasonally Adjusted)

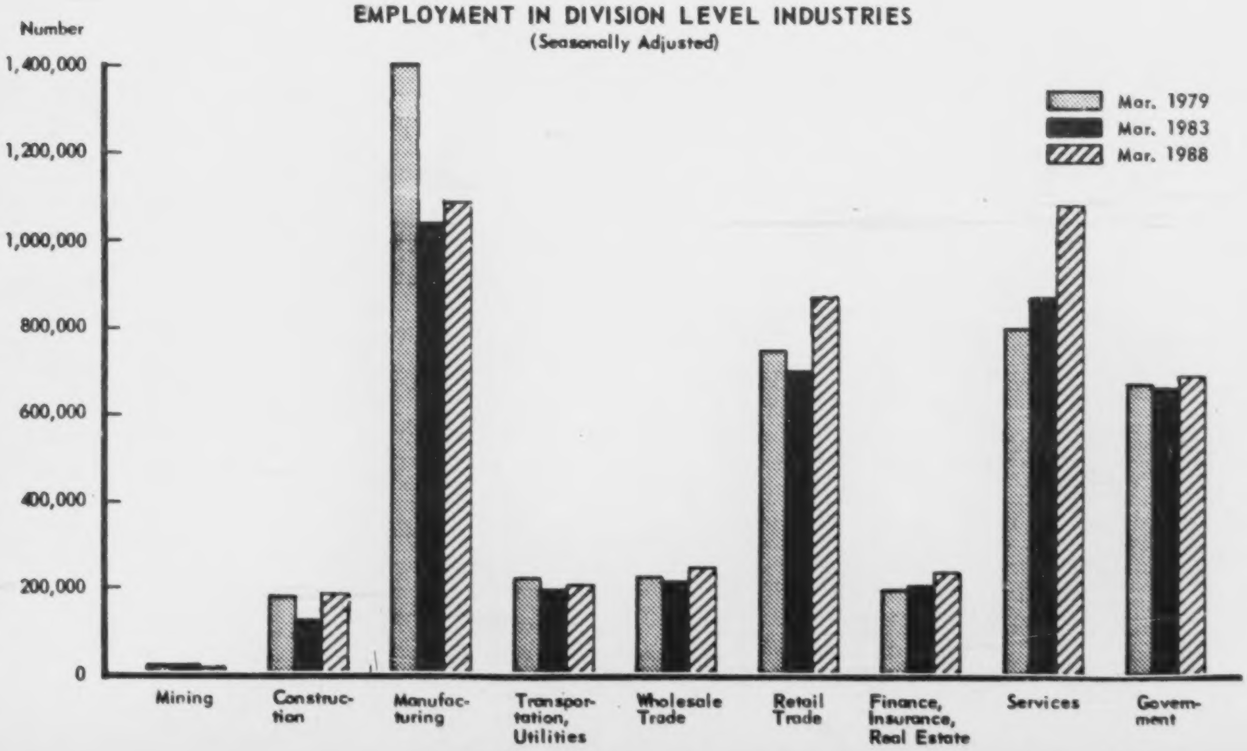


UNEMPLOYMENT RATES
OHIO AND U.S. (Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,135	4,680	455	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.5
5,231	4,806	425	8.1	7.0	1986	4,471.4	1,109.8	752.7	357.1
5,248	4,881	367	7.0	6.2	1987	4,578.9	1,095.3	736.4	358.9
					1987				
5,161	4,756	406	7.9	6.9	March	4,485.0	1,086.6	733.8	352.7
5,215	4,847	368	7.1	6.2	April	4,539.2	1,093.1	738.4	354.6
5,275	4,903	372	7.1	6.1	May	4,591.6	1,094.9	738.7	356.2
5,307	4,922	385	7.3	6.3	June	4,611.6	1,097.6	739.1	358.5
5,341	4,982	359	6.7	6.1	July	4,572.3	1,084.3	725.5	358.8
5,289	4,924	365	6.9	5.8	August	4,591.0	1,097.5	733.6	363.9
5,190	4,903	288	5.5	5.7	September	4,641.3	1,108.3	742.1	366.2
5,243	4,940	302	5.8	5.7	October	4,658.8	1,099.8	736.4	363.4
5,285	4,980	305	5.8	5.6	November	4,674.2	1,103.7	740.2	363.6
5,259	4,937	322	6.1	5.4	December	4,676.9	1,102.9	738.6	364.3
					1988				
5,258	4,883	375	7.1	6.3	January	4,565.8	1,094.5	732.6	361.9
5,279	4,905	374	7.1	6.2	February	4,568.8	1,092.4	732.3	360.1
5,295	4,879	416	7.9	5.9	March	4,596.4	1,088.6	728.9	359.7

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
					1987				
3,398.4	20.7	150.4	202.5	244.1	March	818.6	238.5	1,021.8	701.9
3,446.2	20.7	162.2	204.8	246.2	April	830.8	240.0	1,041.3	700.2
3,496.7	20.7	175.4	207.0	248.2	May	845.8	241.8	1,053.7	704.2
3,514.0	21.1	184.4	208.5	250.4	June	851.5	244.7	1,065.9	687.5
3,488.0	21.1	192.7	208.6	250.6	July	852.8	246.8	1,068.2	647.1
3,493.5	21.1	196.8	209.1	251.1	August	858.1	247.2	1,068.6	641.4
3,533.0	21.4	196.4	209.3	251.2	September	861.1	246.1	1,074.7	672.7
3,559.0	20.7	198.6	210.0	252.4	October	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	November	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
					1988				
3,471.3	20.1	163.5	203.3	250.9	January	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	February	838.0	246.4	1,056.5	703.7
3,507.8	19.3	165.5	204.6	251.7	March	843.4	247.1	1,066.9	709.2

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio[a]

Manufacturing Employment (in thousands)				Production Workers in Manufacturing		
Manufacturing				Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
	Durable Goods	Nondurable Goods				
1,344.1	945.2	398.9	1977	958.0	$271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,086.6	733.8	352.7	March	741.0	369.4	31.5
1,093.1	738.4	354.6	April	746.8	368.2	31.4
1,094.9	738.7	356.2	May	747.3	371.9	31.8
1,097.6	739.1	358.5	June	748.3	373.0	31.9
1,084.3	725.5	358.8	July	735.3	356.7	30.8
1,097.5	733.6	363.9	August	749.2	368.9	31.7
1,108.3	742.1	366.2	September	760.8	380.5	32.4
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,092.4	732.3	360.1	February	748.5	376.4	31.7
1,088.6	728.9	359.7	March	744.3	379.7	31.9

Production Workers Average Weekly Earnings				Production Workers Average Weekly Hours				Production Workers Average Hourly Earnings		
Manufacturing				Manufacturing				Manufacturing		
	Durable Goods	Nondurable Goods			Durable Goods	Nondurable Goods			Durable Goods	Nondurable Goods
$283.08	$292.02	$258.34	1977	42.0	42.2	41.4	1977	$6.74	$6.92	$6.24
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
			1987				1987			
498.53	519.95	448.86	March	42.5	42.9	41.6	March	11.73	12.12	10.79
492.99	514.25	443.72	April	42.1	42.5	41.2	April	11.71	12.10	10.77
497.68	517.45	450.78	May	42.5	42.8	41.7	May	11.71	12.09	10.81
498.42	517.37	453.95	June	42.6	42.9	41.8	June	11.70	12.06	10.86
485.20	501.76	450.02	July	41.9	42.2	41.4	July	11.58	11.89	10.87
492.37	510.00	453.36	August	42.3	42.5	41.9	August	11.64	12.00	10.82
500.12	516.67	461.92	September	42.6	42.7	42.3	September	11.74	12.10	10.92
504.50	524.02	461.07	October	42.9	43.2	42.3	October	11.76	12.13	10.90
511.49	531.57	466.90	November	43.2	43.5	42.6	November	11.84	12.22	10.96
512.67	532.36	469.27	December	43.3	43.6	42.7	December	11.84	12.21	10.99
			1988				1988			
507.61	527.11	464.45	January	42.8	43.1	42.3	January	11.86	12.23	10.98
502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92
510.18	531.42	460.32	March	42.8	43.1	42.0	March	11.92	12.33	10.96

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86 3	148.0	1987	63.4	70.2	92.9
			1987				1987			
47.3	94.8	132.7	March	153.7	86.8	149.2	March	61.7	68.8	92.2
47.7	94.8	133.0	April	154.3	86.0	152.6	April	61.8	69.5	92.1
48.1	94.3	133.2	May	155.0	85.9	151.8	May	62.2	69.7	92.1
48.7	95.0	134.4	June	155.7	85.8	148.5	June	62.9	69.8	92.5
48.1	93.5	131.6	July	153.4	85.9	142.1	July	63.4	70.6	91.6
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.1	98.0	134.0	March	155.1	85.5	136.5	March	62.2	71.0	93.4

Average Weekly Earnings of Production Workers

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
465.48	613.70	511.46	March	512.35	470.96	671.06	March	443.64	439.43	444.44

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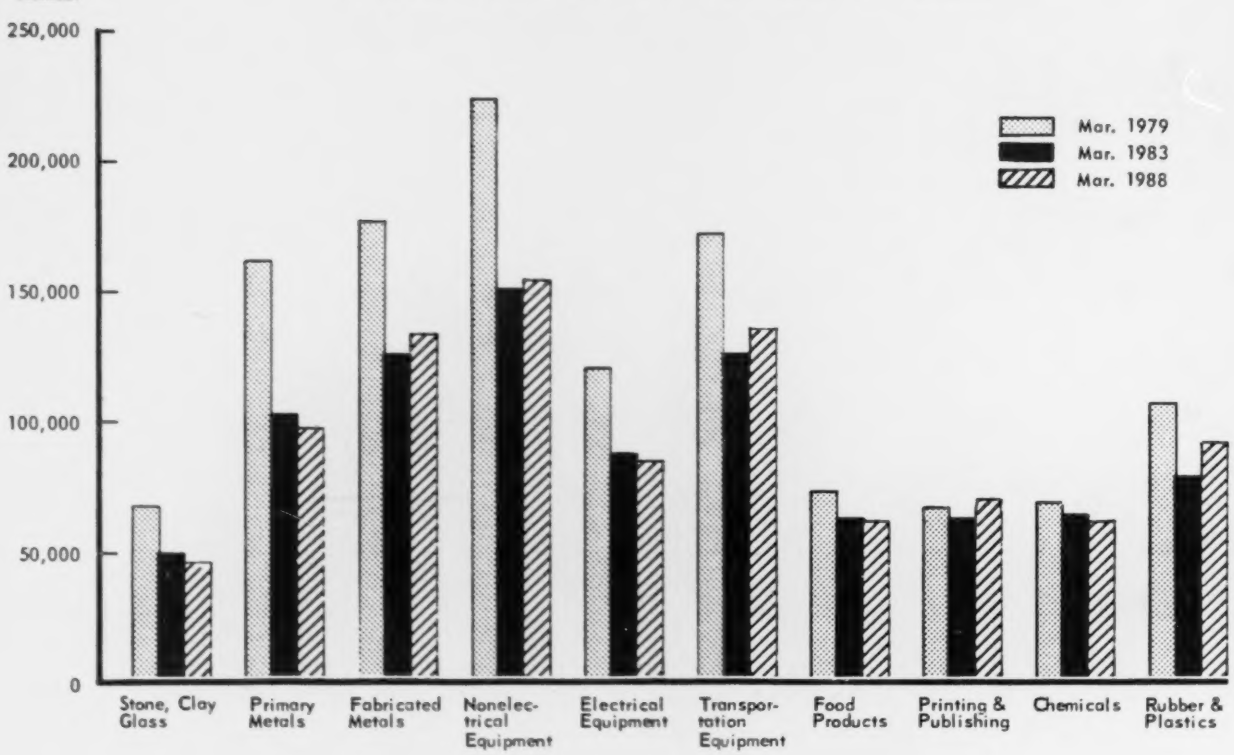
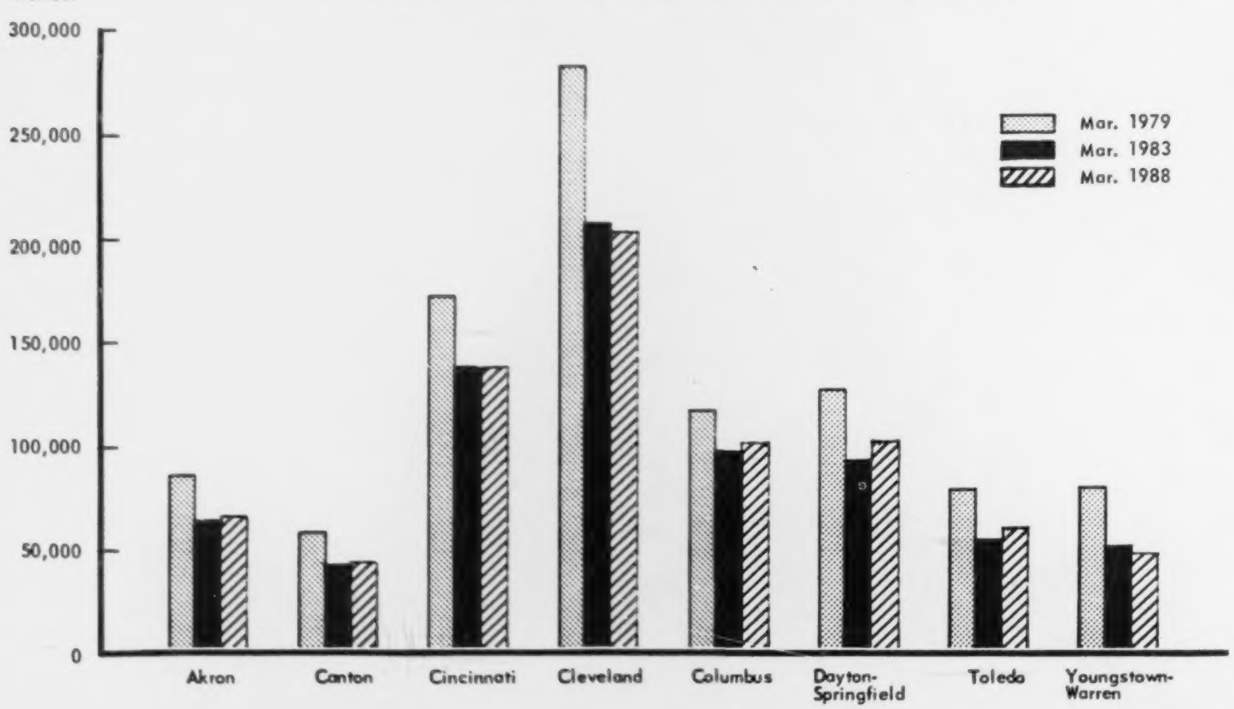
[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1988[b]	February 1988[c]	March 1987[c]	From Last Month	From Last Year
TOTAL	4596.4	4568.8	4485.0	27.6	111.4
MANUFACTURING	1088.6	1092.4	1086.6	-3.8	2.0
Durable Goods[e]	728.9	732.3	733.8	-3.4	-5.0
Lumber and wood products	20.3	19.8	18.5	.4	1.8
Furniture and fixtures	14.5	14.3	14.1	.2	.3
Stone, clay, and glass products	47.1	46.5	47.3	.6	-.2
Glass and glassware, pressed or blown	9.6	9.7	10.3	.0	-.7
Primary metal industries	98.0	97.6	94.8	.4	3.2
Blast furnace and basic steel products	45.0	44.9	42.6	.1	2.4
Iron and steel foundries	20.6	20.7	19.7	-.1	.9
Nonferrous rolling and drawing	17.3	17.0	17.1	.3	.2
Fabricated metal products	134.0	133.1	132.7	.8	1.2
Cutlery, hand tools, and hardware	9.5	9.5	9.6	.0	.0
Fabricated structural metal products	28.8	28.9	28.2	-.1	.5
Metal forgings and stampings	42.2	41.7	43.2	.5	-.9
Machinery, except electrical	155.1	154.8	153.7	.4	1.4
Construction and related machinery	12.3	12.5	12.2	-.1	.1
Metalworking machinery	39.7	39.5	40.0	.2	-.3
Special industry machinery	16.7	16.3	16.2	.3	.4
General industrial machinery	27.7	27.7	27.4	-.1	.2
Office and computing machines	13.7	13.7	13.3	.0	.4
Refrigeration and service machinery	15.5	15.6	16.3	.0	-.8
Electric and electronic equipment	85.5	85.9	86.8	-.4	-1.2
Electrical industrial apparatus	16.4	16.3	15.8	.1	.6
Household appliances	15.1	15.6	16.8	-.4	-1.7
Electric lighting and wiring equipment	17.0	17.1	17.3	-.1	-.3
Communication equipment	10.0	10.0	10.4	.0	-.4
Transportation equipment	136.5	142.4	149.2	-5.9	-12.7
Motor vehicles and equipment	93.0	92.6	93.9	.4	-.9
Aircraft and parts	34.0[j]	40.4	46.0	-6.4	-12.0
Instruments and related products	23.6	23.6	22.9	.0	.7
Measuring and controlling devices	13.0	13.0	12.6	.0	.3
Nondurable Goods[f]	359.7	360.1	352.7	-.4	6.9
Food and kindred products	62.2	62.0	61.7	.2	.4
Meat products	9.1	9.4	9.5	-.2	-.4
Dairy products	10.8	10.7	10.1	.1	.6
Preserved fruits and vegetables	10.2	10.2	10.2	.0	.1
Bakery products	9.0	8.9	8.8	.1	.2
Beverages	9.2	9.1	9.4	.1	-.2
Apparel and other textile products	16.3	16.3	15.7	-.1	.6
Paper and allied products	37.4	37.4	36.4	-.1	.9
Misc. converted paper products	12.1	12.1	11.7	.0	.4
Paperboard containers and boxes	13.1	13.1	12.5	-.1	.5
Printing and publishing	71.0	70.8	68.8	.2	2.2
Newspapers	19.2	19.2	19.2	.0	.0
Commercial printing	26.3	26.2	25.9	.1	.4
Chemicals and allied products	63.3	63.4	61.7	-.1	1.6
Industrial inorganic chemicals	9.4	9.4	9.4	.0	.0
Rubber and misc. plastics products	93.4	93.8	92.2	-.3	1.2
Tires and inner tubes	16.9	16.9	17.4	.0	-.5
Miscellaneous plastics products	55.9	56.2	54.6	-.3	1.3

See footnotes on page 13.

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1988[b]	February 1988[c]	March 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3507.8	3476.4	3398.4	31.4	109.4
MINING	19.3	19.7	20.7	- .4	- 1.4
Bituminous coal and lignite mining	8.4	8.7	9.5	- .3	- 1.0
Oil and gas extraction	6.7	7.0	7.0	- .4	- .3
CONSTRUCTION	165.5	158.9	150.4	6.7	15.2
General building contractors	43.0	41.5	39.4	1.5	3.6
Heavy construction contractors	18.7	16.7	16.5	1.9	2.1
Highway and street construction	7.1	6.1	5.6	1.0	1.5
Special trade contractors	103.9	100.7	94.4	3.2	9.5
TRANSPORTATION AND PUBLIC UTILITIES	204.6	202.3	202.5	2.3	2.0
Railroad transportation	12.7	12.7	13.5	.0	- .7
Transportation, except railroads	102.9	100.8	99.3	2.1	3.5
Trucking and warehousing	71.8	70.7	69.7	1.1	2.1
Communication, electric, gas services	88.9	88.8	89.7	.2	- .8
Communication	47.5	47.4	48.1	.1	- .6
Electric, gas, and sanitary services	41.4	41.4	41.7	.0	- .2
WHOLESALE TRADE	251.7	250.8	244.1	.9	7.5
Wholesale trade-durable goods	158.0	157.6	153.4	.4	4.6
Motor vehicles & automotive equipment	22.0	21.9	21.3	.1	.7
Electrical goods	19.6	19.5	19.3	.1	.3
Machinery, equipment, and supplies	67.7	67.6	66.2	.1	1.5
Wholesale trade-nondurable goods	93.6	93.1	90.7	.5	2.9
Groceries and related products	29.3	29.2	28.4	.1	.9
RETAIL TRADE	843.4	838.0	818.6	5.4	24.8
General merchandise stores	116.0	116.6	114.6	- .6	1.4
Department stores	100.7	101.6	100.2	- .9	.5
Food stores	130.6	130.8	128.2	- .2	2.4
Automotive dealers & service stations	94.0	93.6	90.7	.4	3.4
Apparel and accessory stores	42.2	42.0	40.2	.1	2.0
Eating and drinking places	293.8	288.9	286.4	4.9	7.4
FINANCE, INSURANCE, AND REAL ESTATE	247.1	246.4	238.5	.7	8.7
Banking	63.5	63.5	62.3	- .1	1.2
Credit agencies other than banks	37.9	37.8	36.6	.1	1.3
Insurance carriers	69.2	68.9	67.6	.3	1.6
Life insurance	25.8	25.7	25.8	.0	.0
Fire, marine, and casualty insurance	30.7	30.5	29.6	.2	1.1
SERVICES	1066.9	1056.5	1021.8	10.4	45.2
Hotels and other lodging places	33.2	32.7	32.3	.5	1.0
Personal services	59.5	59.0	57.6	.4	1.9
Laundry, cleaning, & garment services	18.8	18.7	18.3	.2	.5
Business services	215.1	212.7	201.8	2.4	13.3
Services to buildings	30.4	30.1	28.6	.3	1.8
Computer and data processing services	20.2	20.0	18.7	.2	1.5
Amusement and recreation services	31.4	29.3	30.5	2.1	.9
Health services	366.6	365.3	354.4	1.3	12.1
Nursing and personal care facilities	80.8	80.3	77.9	.5	2.9
Hospitals	178.4	178.4	174.4	.1	4.1
Educational services	65.8	65.8	64.9	.0	.9
Colleges and universities	36.2	36.4	36.2	- .1	.0
GOVERNMENT	709.2	703.7	701.9	5.5	7.3
Federal government	95.0	94.7	94.1	.2	.9
State government	162.1	159.6	159.3	2.5	2.9
State government education[1]	87.8	86.3	85.8	1.5	2.0
State government, except education	74.3	73.3	73.5	1.0	.8
Local government	452.1	449.4	448.5	2.7	3.6
Local government education	269.4	266.8	267.2	2.6	2.2
Local government, except education	182.7	182.6	181.3	.1	1.4

See footnotes on page 13.

Ohio

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]
MANUFACTURING	$510.18	$502.86	$498.53	42.8	42.4	42.5	$11.92	$11.86	$11.73
Durable Goods[e]	531.42	525.16	519.95	43.1	42.8	42.9	12.33	12.27	12.12
Lumber and wood products	309.07	288.25	306.18	41.1	38.9	42.0	7.52	7.41	7.29
Furniture and fixtures	362.15	356.49	344.73	40.6	40.1	40.7	8.92	8.89	8.47
Stone, clay, and glass products	465.48	453.90	449.35	43.1	42.5	41.8	10.80	10.68	10.75
Glass and glassware, pressed or blown.	482.31	478.40	453.86	41.4	41.1	40.2	11.65	11.64	11.29
Primary metal industries	613.70	610.54	587.80	44.6	44.5	43.8	13.76	13.72	13.42
Blast furnace and basic steel products	648.07	652.74	602.25	45.8	46.0	43.8	14.15	14.19	13.75
Iron and steel foundries	632.70	615.48	620.78	44.4	43.9	44.5	14.25	14.02	13.95
Nonferrous rolling and drawing	591.63	590.81	599.94	41.0	41.2	42.7	14.43	14.34	14.05
Fabricated metal products	511.46	508.89	506.75	42.8	42.8	42.8	11.95	11.89	11.84
Cutlery, hand tools, and hardware	475.19	477.00	473.22	41.0	40.7	39.8	11.59	11.72	11.89
Fabricated structural metal products	438.48	447.95	455.39	40.6	41.4	42.6	10.80	10.82	10.69
Metal forgings and stampings	642.34	631.18	636.98	44.7	44.2	44.7	14.37	14.28	14.25
Machinery, except electrical	512.35	511.81	506.32	43.2	43.3	42.8	11.86	11.82	11.83
Construction and related machinery	420.65	418.61	420.24	40.8	41.0	41.2	10.31	10.21	10.20
Metalworking machinery	496.76	501.16	460.51	44.0	44.0	41.6	11.29	11.39	11.07
Special industry machinery	493.12	496.07	476.72	43.6	43.9	42.3	11.31	11.30	11.27
General industrial machinery	528.96	534.76	543.75	42.9	43.3	43.5	12.33	12.35	12.50
Office and computing machines	423.30	417.31	411.52	41.5	41.4	42.6	10.20	10.08	9.66
Refrigeration and service machinery	560.03	565.55	578.59	41.3	41.8	42.7	13.56	13.53	13.55
Electric and electronic equipment	470.96	477.57	463.29	41.9	42.3	41.7	11.24	11.29	11.11
Electrical industrial apparatus	493.92	504.00	447.37	44.1	45.0	41.5	11.20	11.20	10.78
Household appliances	477.60	497.28	482.04	39.9	41.2	41.2	11.97	12.07	11.70
Electric lighting and wiring equipment	476.82	482.16	489.30	41.9	42.0	42.0	11.38	11.48	11.65
Communication equipment	489.22	482.98	471.77	41.6	41.0	40.6	11.76	11.78	11.62
Transportation equipment	671.06	640.41	640.46	44.5	43.3	44.6	15.08	14.79	14.36
Motor vehicles and equipment	695.30	652.08	662.90	44.8	42.9	44.7	15.52	15.20	14.83
Aircraft and parts	606.98	633.75	591.84	44.5	45.3	44.6	13.64	13.99	13.27
Instruments and related products	368.00	361.17	370.78	40.0	39.3	40.7	9.20	9.19	9.11
Measuring and controlling devices	362.70	355.26	373.23	39.0	38.2	39.5	9.30	9.30	9.45
Nondurable Goods[f]	460.32	454.27	448.86	42.0	41.6	41.6	10.96	10.92	10.79
Food and kindred products	443.64	438.19	436.60	41.5	41.3	41.9	10.69	10.61	10.42
Meat products	392.92	357.37	397.11	41.8	39.1	43.4	9.40	9.14	9.15
Dairy products	473.67	477.17	458.77	43.1	43.3	42.4	10.99	11.02	10.82
Preserved fruits and vegetables	439.88	452.47	404.15	39.7	40.8	39.2	11.08	11.09	10.31
Bakery products	465.31	469.17	459.01	39.5	40.1	39.4	11.78	11.70	11.65
Beverages	425.41	421.43	403.38	40.4	40.6	40.5	10.53	10.38	9.96
Apparel and other textile products	301.20	289.48	277.97	40.0	38.7	38.5	7.53	7.48	7.22
Paper and allied products	489.72	485.30	499.97	44.0	43.8	44.8	11.13	11.08	11.16
Misc. converted paper products	424.00	419.19	455.62	42.4	42.3	44.8	10.00	9.91	10.17
Paperboard containers and boxes	435.46	433.30	428.86	43.2	43.2	42.8	10.08	10.03	10.02
Printing and publishing	439.43	433.83	415.56	39.2	38.7	38.3	11.21	11.21	10.85
Newspapers	360.36	352.85	358.05	33.9	33.1	35.0	10.63	10.66	10.23
Commercial printing	450.73	442.09	408.72	41.2	40.3	39.0	10.94	10.97	10.48
Chemicals and allied products	548.69	537.58	529.61	42.6	41.9	41.8	12.88	12.83	12.67
Industrial inorganic chemicals	588.07	585.42	564.14	43.4	43.3	42.1	13.55	13.52	13.40
Rubber and misc. plastics products	444.44	441.44	438.35	42.9	42.9	42.6	10.36	10.29	10.29
Tires and inner tubes	674.59	682.91	636.92	46.3	47.0	45.3	14.57	14.53	14.06
Miscellaneous plastics products	428.28	421.18	421.46	42.7	42.5	42.4	10.03	9.91	9.94

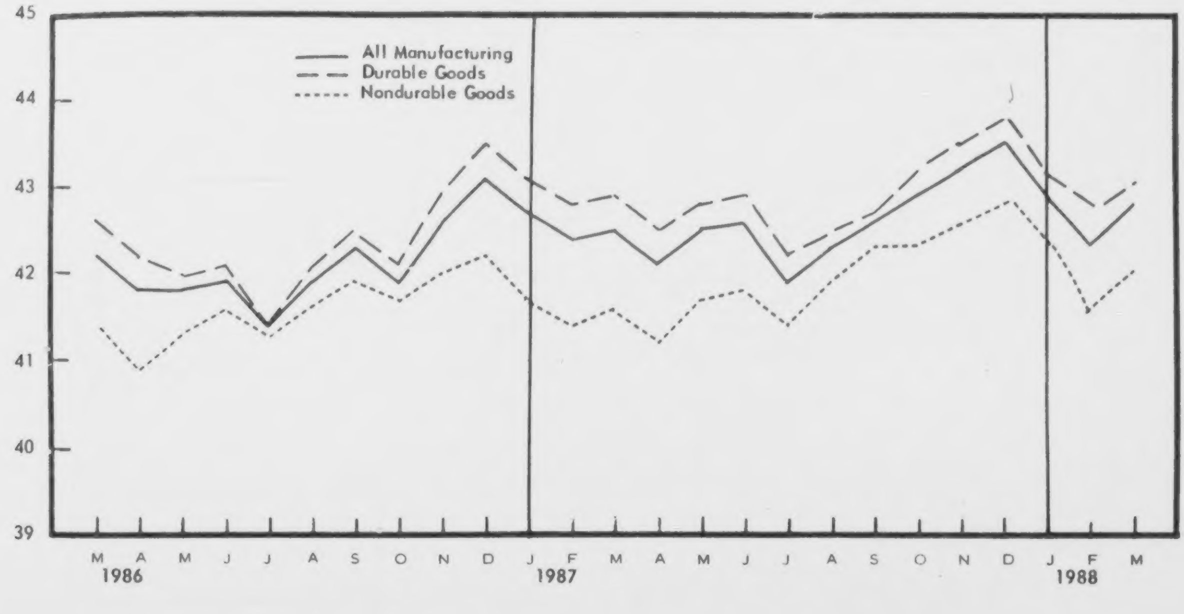
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

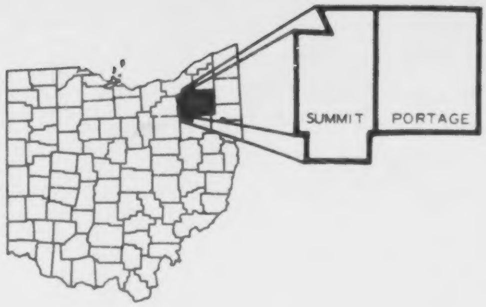
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]
MINING	$540.08	$540.99	$539.22	43.0	42.8	43.0	$12.56	$12.64	$12.54
Bituminous coal and lignite mining	666.58	659.66	647.50	43.2	43.2	42.1	15.43	15.27	15.38
CONSTRUCTION	558.36	556.48	561.41	37.6	37.0	38.4	14.85	15.04	14.62
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	563.45	550.90	533.33	40.8	40.3	40.1	13.81	13.67	13.30
Communication	537.70	534.36	521.14	39.8	39.7	39.6	13.51	13.46	13.16
Electric, gas, and sanitary services	592.89	571.70	549.58	41.9	41.1	40.8	14.15	13.91	13.47
WHOLESALE TRADE	384.93	384.33	368.77	39.0	38.9	38.9	9.87	9.88	9.48
Wholesale trade-durable goods	378.67	379.85	365.82	39.2	39.2	39.0	9.66	9.69	9.38
Wholesale trade-nondurable goods	394.11	392.32	373.84	38.6	38.5	38.7	10.21	10.19	9.66
RETAIL TRADE[h]	163.86	160.68	158.48	28.3	27.8	28.0	5.79	5.78	5.66
General merchandise stores	174.79	167.94	176.87	27.7	27.0	28.9	6.31	6.22	6.12
Department stores	178.67	171.45	181.78	27.7	27.0	28.9	6.45	6.35	6.29
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	264.81	262.79	256.09	....	....	....	.....	.....	.....
Credit agencies other than banks	259.93	262.23	248.67	....	....	....	.....	.....	.....
Insurance carriers	366.92	364.27	340.87	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	337.95	336.93	325.69	33.1	33.0	33.2	10.21	10.21	9.81

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



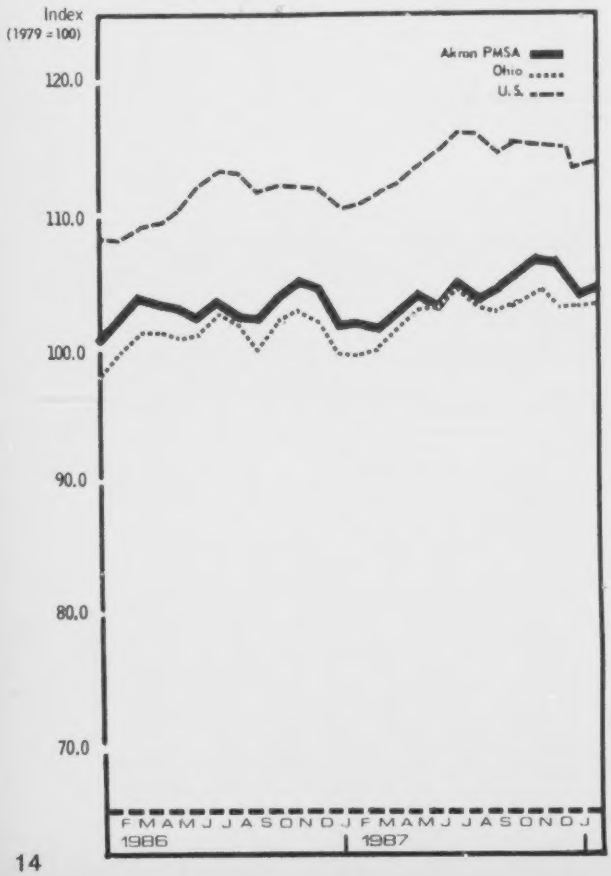
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



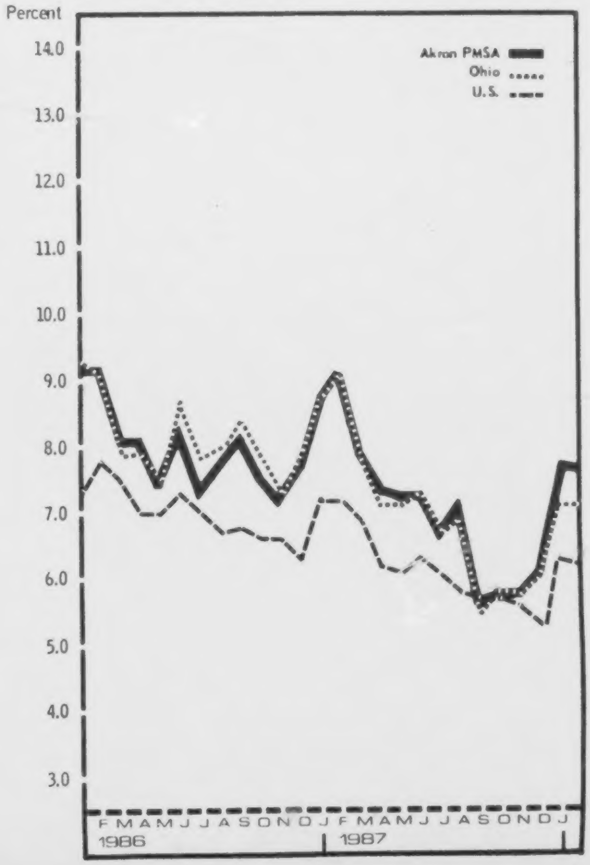
Total nonfarm employment in the Akron metropolitan area advanced 2,000 from February, to 267,500 in March 1988. Nonmanufacturing industries provided 75 percent of the increase. Noteworthy improvements were registered in services, state and local schools and colleges, and retail trade. Manufacturing gained 500 workers over the month. Scattered losses in nondurable-goods industries were more than offset by moderate expansion in durable goods, especially in fabricated metal products and nonelectrical machinery. Factory production workers averaged $11.49 per hour, up $.14 from February. Their average workweek remained the same, at 43.0 hours.

Nonagricultural wage and salary employment in the Akron area increased 7,400 between March 1987 and March 1988. The major portion of the growth occurred in nonmanufacturing industries. Significant gains were posted in services, especially health and business services. Although 600 jobs were lost in tires and inner tubes, growth in other nondurable- and durable-goods industries advanced manufacturing employment 1,000 over the period.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



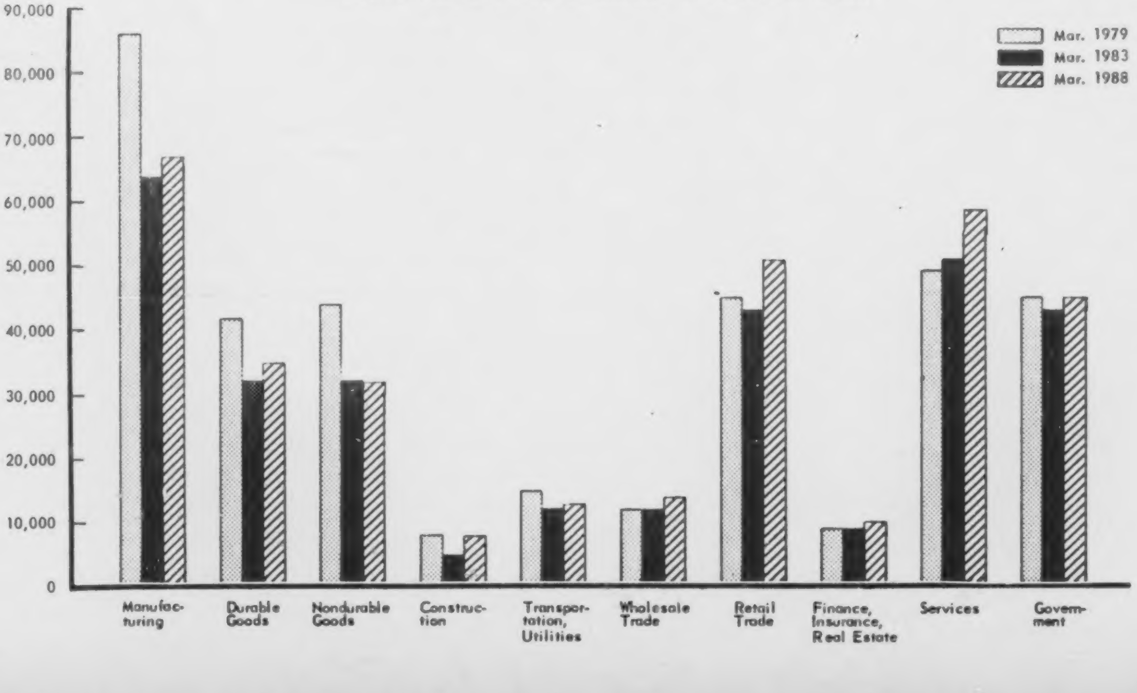
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
320.2	290.9	29.3	9.1	February	259.6	66.3	36.0	487.05	42.5	11.46
315.3	290.2	25.1	8.0	March	260.1	66.0	35.9	483.64	42.8	11.30
318.2	294.7	23.5	7.4	April	262.6	66.1	35.7	483.75	43.0	11.25
321.7	298.3	23.5	7.3	May	265.9	66.1	35.7	487.19	43.0	11.33
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.7	299.0	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
INA	INA	INA	INA	March	267.5	67.0	37.0	494.07	43.0	11.49

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1988[b]	February 1988[c]	March 1987[c]	From Last Month	From Last Year
TOTAL	267.5	265.5	260.1	2.0	7.4
MANUFACTURING	67.0	66.6	66.0	.5	1.0
Durable Goods[e]	34.8	34.1	34.0	.7	.8
Fabricated metal products	11.8	11.4	11.5	.3	.2
Machinery, except electrical	9.7	9.4	9.2	.2	.4
Metalworking machinery	3.5	3.4	3.1	.1	.3
Nondurable Goods[f]	32.2	32.4	32.0	-.2	.2
Food and kindred products	3.0	3.1	2.9	-.1	.1
Chemicals and allied products	3.0	3.0	2.9	.0	.1
Rubber and misc. plastics products	20.8	20.8	20.8	-.1	-.1
Tires and inner tubes	12.7	12.7	13.2	.0	-.6
NONMANUFACTURING[g]	200.4	198.9	194.0	1.5	6.4
CONSTRUCTION	7.8	7.7	7.5	.2	.4
TRANSPORTATION AND PUBLIC UTILITIES	12.8	12.7	12.8	.1	.0
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.0	14.0	13.6	-.1	.4
RETAIL TRADE	51.0	50.7	50.4	.3	.6
General merchandise stores	5.9	6.0	6.1	-.1	-.2
FINANCE, INSURANCE, AND REAL ESTATE	10.6	10.5	10.4	.0	.1
Banking	3.1	3.1	3.1	.0	.0
SERVICES	58.6	57.9	54.9	.7	3.7
Business services	11.4	11.3	10.4	.1	1.0
Amusement and recreation services	2.9	2.8	2.5	.1	.4
Health services	20.1	20.0	18.8	.1	1.2
GOVERNMENT	45.2	44.8	43.9	.4	1.3
State government	16.8	16.6	15.7	.2	1.2
State government education[1]	13.9	13.7	12.8	.2	1.1
State government, except education	3.0	3.0	2.9	.0	.1
Local government	26.0	25.8	25.8	.2	.2
Local government education	15.1	14.9	14.5	.1	.5
Local government, except education	10.9	10.9	11.3	.1	-.4

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

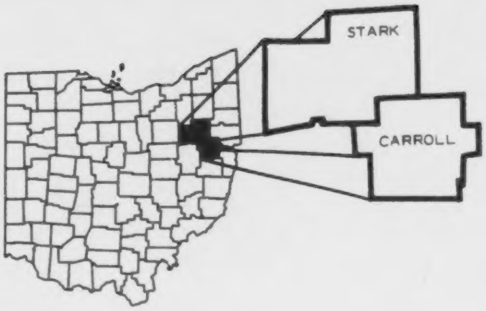
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]
MANUFACTURING	$494.07	$488.05	$483.64	43.0	43.0	42.8	$11.49	$11.35	$11.30
Durable Goods[e]	510.62	499.66	504.31	43.2	43.0	43.4	11.82	11.62	11.62
Fabricated metal products	650.34	604.22	606.06	45.1	43.5	44.4	14.42	13.89	13.65
Machinery, except electrical	433.01	454.35	463.99	43.0	44.5	44.7	10.07	10.21	10.38
Metalworking machinery	458.35	469.35	461.25	44.5	45.0	45.0	10.30	10.43	10.25
Nondurable Goods[f]	470.80	470.18	454.44	42.8	42.9	42.0	11.00	10.96	10.82
Food and kindred products	468.29	473.72	434.03	43.4	43.5	40.3	10.79	10.89	10.77
Chemicals and allied products	526.44	510.42	454.66	44.5	43.7	40.2	11.83	11.68	11.31
Rubber and misc. plastics products	493.88	494.60	484.63	43.9	44.2	43.7	11.25	11.19	11.09
Tires and inner tubes	786.25	784.18	699.10	49.7	49.6	46.7	15.82	15.81	14.97
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	558.56	559.14	537.88	40.3	40.4	40.2	13.86	13.84	13.38
WHOLESALE TRADE	338.47	335.10	315.00	37.4	37.4	37.5	9.05	8.96	8.40
RETAIL TRADE[h]	193.75	190.63	196.88	31.2	30.5	31.5	6.21	6.25	6.25

[a] See Technical for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1988	February 1988	March 1987
Employment Service Program			
New Applicants	2,305	2,395	2,726
Active File of Job Seekers	18,206	17,782	21,145
Referrals to Jobs	1,093	819	1,281
Placements	147	192	173
Job Openings Received	660	346	1,237
Job Openings Unfilled	803	538	1,400
Unemployment Insurance Program			
Initial Claims	2,443	3,410	3,217
Continued Claims	37,517	39,429	39,601
First Payments	1,602	2,347	1,664
Last Payments	501	359	416
Weeks Compensated	33,765	31,549	31,820
Benefits Paid	$5,277,154	$4,939,086	$4,756,988
Average Weekly Payment	$159.10	$159.40	$152.45

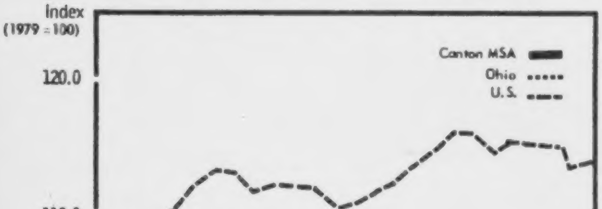
CANTON
METROPOLITAN STATISTICAL AREA



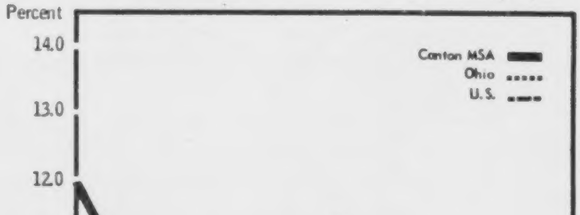
In the Canton metropolitan area, nonagricultural wage and salary employment increased 500 from the February level, to 156,000 in March 1988. The gain occurred in the nonmanufacturing sector, especially in construction and services. Manufacturing employment declined 400, to 43,200 due to scattered losses in durable-goods industries. Factory production workers earned an average of $11.39 per hour, down $.05 from last month. Their average workweek, 42.8 hours, was .3 hours shorter.

Since March 1987, total nonfarm employment has gained 3,200 workers. The improvement was concentrated in nonmanufacturing industries, primarily in construction and services. Manufacturing employment was lowered 100 over the period. Noteworthy losses were recorded in food and kindred products and fabricated metal products, especially metal forgings and stampings.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

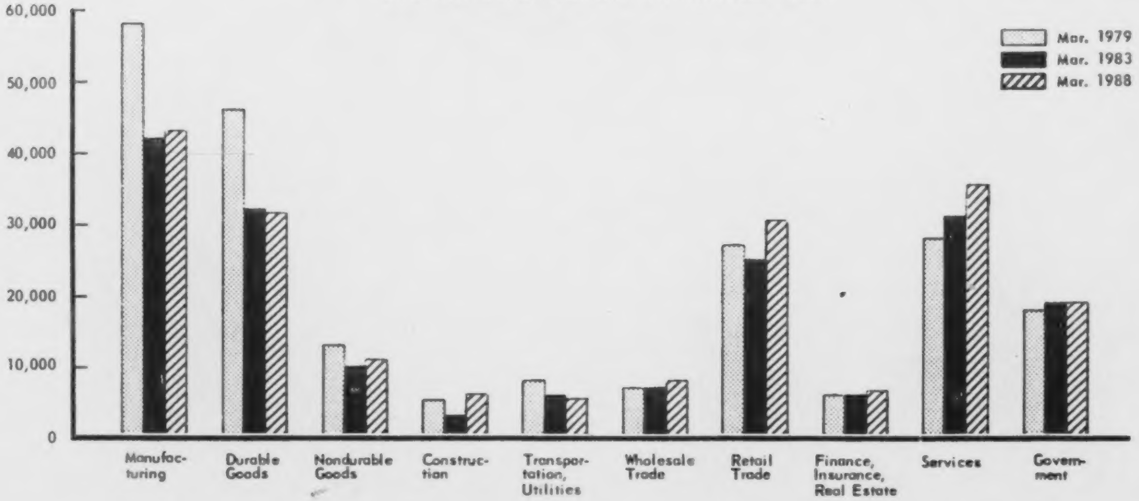


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
190.8	169.1	21.7	11.4	February	151.8	43.3	30.5	476.70	42.0	11.35
187.7	169.6	18.1	9.7	March	152.8	43.3	30.5	477.12	42.0	11.36
189.1	172.4	16.8	8.9	April	154.3	43.3	30.5	471.03	41.5	11.35
191.2	174.4	16.7	8.7	May	156.3	43.5	30.6	486.35	42.7	11.39
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.3	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
INA	INA	INA	INA	March	156.0	43.2	31.0	487.49	42.8	11.39

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1988[b]	February 1988[c]	March 1987[c]	From Last Month	From Last Year
TOTAL	156.0	155.4	152.8	.5	3.2
MANUFACTURING	43.2	43.7	43.3	-.4	-.1
Durable Goods[e]	31.9	32.4	31.9	-.5	.0
Primary metal industries	10.5	10.5	10.5	.0	.0
Fabricated metal products	6.4	6.4	6.5	.0	-.2
Metal forgings and stampings	2.0	2.0	2.3	.0	-.3
Nondurable Goods[f]	11.3	11.3	11.4	.0	-.1
Food and kindred products	3.2	3.3	3.6	.0	-.4
Rubber and misc. plastics products	2.9	2.9	2.8	.0	.1
NONMANUFACTURING[g]	112.7	111.8	109.5	1.0	3.3
CONSTRUCTION	6.0	5.5	4.9	.4	1.1
TRANSPORTATION AND PUBLIC UTILITIES	5.7	5.7	5.6	.0	.1
Communication, electric, gas services	2.6	2.6	2.6	.0	.0
WHOLESALE TRADE	8.1	8.1	8.0	.1	.2
Wholesale trade-durable goods	4.5	4.5	4.4	.0	.1
RETAIL TRADE	30.8	30.7	30.3	.1	.4
General merchandise stores	3.8	3.8	3.7	.0	.1
Food stores	5.1	5.1	5.0	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	6.3	6.3	6.4	.0	.0
Banking	1.9	1.9	1.8	.0	.0
SERVICES	35.7	35.4	34.6	.3	1.1
Health services	15.2	15.2	14.6	.0	.6
GOVERNMENT	19.1	19.0	18.8	.1	.2
State government (includes education)	1.8	1.7	1.7	.0	.0
Local government	15.9	15.8	15.7	.0	.2
Local government education	9.3	9.3	9.6	.0	-.3
Local government, except education	6.6	6.5	6.1	.0	.5

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

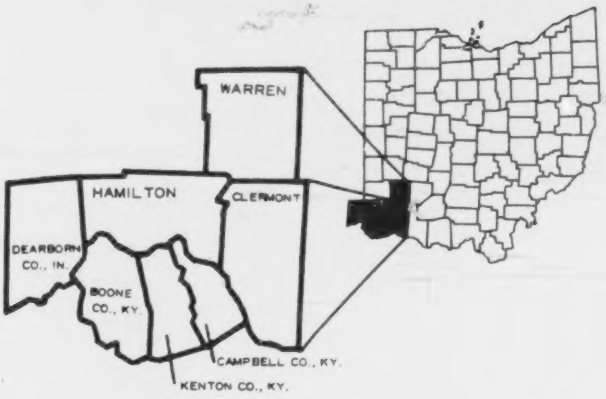
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]
MANUFACTURING	$487.49	$493.06	$477.12	42.8	43.1	42.0	$11.39	$11.44	$11.36
Durable Goods[e]	508.34	516.84	501.08	43.3	43.8	42.5	11.74	11.80	11.79
Primary metal industries	604.87	598.56	572.76	46.6	46.4	44.4	12.98	12.90	12.90
Fabricated metal products	437.18	432.37	480.06	41.4	41.1	41.6	10.56	10.52	11.54
Metal forgings and stampings	604.58	600.09	627.06	41.1	41.5	42.0	14.71	14.46	14.93
Nondurable Goods[f]	417.59	413.51	404.60	40.9	40.7	40.5	10.21	10.16	9.99
Food and kindred products	432.38	408.10	433.06	39.2	38.5	41.6	11.03	10.60	10.41
Rubber and misc. plastics products	433.26	436.60	425.11	41.7	41.7	41.8	10.39	10.47	10.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	538.25	540.55	526.82	39.9	40.1	40.4	13.49	13.48	13.04
WHOLESALE TRADE	376.27	375.35	366.55	38.2	37.8	37.1	9.85	9.93	9.88
RETAIL TRADE[h]	157.05	154.84	151.72	28.4	28.0	28.2	5.53	5.53	5.38

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1988	February 1988	March 1987
Employment Service Program			
New Applicants	1,645	1,407	1,609
Active File of Job Seekers	12,717	12,090	15,933
Referrals to Jobs	702	848	1,116
Placements	131	161	115
Job Openings Received	506	346	355
Job Openings Unfilled	612	348	388
Unemployment Insurance Program			
Initial Claims	2,225	2,235	2,316
Continued Claims	24,224	23,226	29,184
First Payments	1,208	1,417	1,014
Last Payments	227	213	372
Weeks Compensated	18,868	17,307	22,495
Benefits Paid	$2,758,982	$2,514,358	$3,307,791
Average Weekly Payment	$149.74	$148.67	$151.18

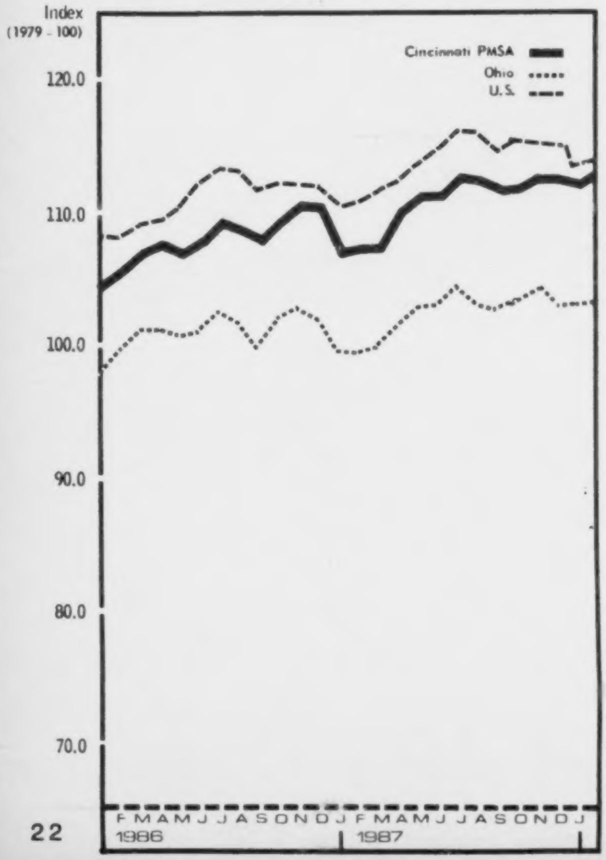
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



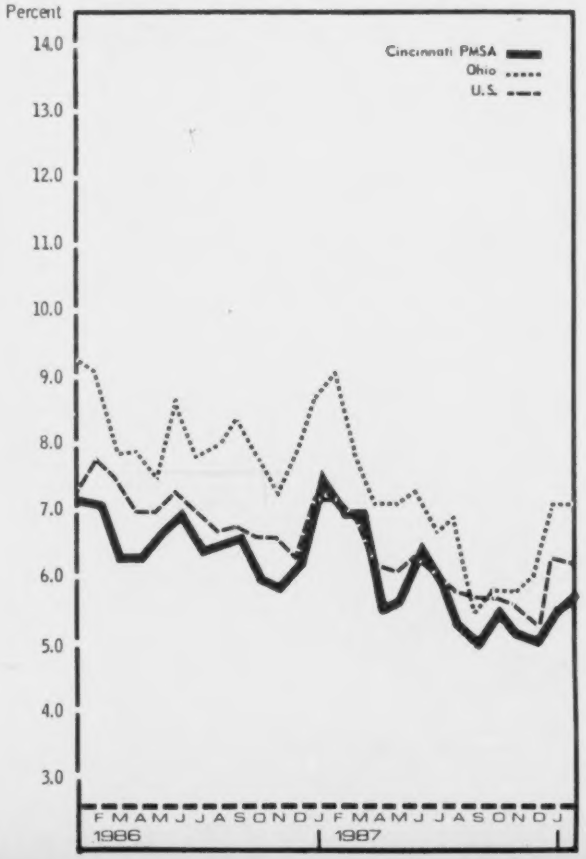
Nonagricultural wage and salary employment in the Cincinnati metropolitan area in March 1988 totaled 678,900, down 500 from the February level. Nonmanufacturing employment gained 6,100 additional jobs over the month. Although most sectors showed improvements, seasonal increases in services and construction contributed most to the gain. Manufacturing employment declined 6,600 during the month due to a labor-management dispute in transportation equipment (-6,400). Production workers average hourly earnings decreased $.29 from last month, to $10.79 per hour in March. They averaged a slightly shorter workweek of 42.0 hours.

From March 1987 to March 1988, total nonfarm employment advanced 22,300. Growth in services, retail trade, and construction contributed 87.9 percent of the overall gain. Major improvement was also noted in transportation and public utilities and finance, insurance, and real estate. Manufacturing employment dropped 4,300 over the period. A loss of 7,500 in transportation equipment negated scattered growth in most other manufacturing industries.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

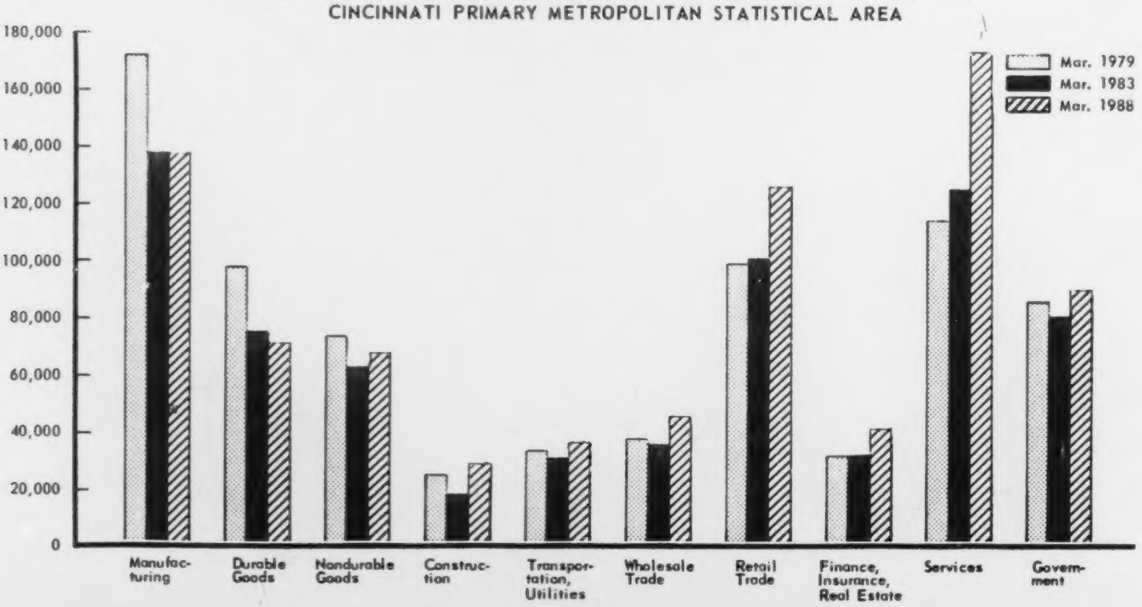


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings Average Weekly Earnings	Hours and Earnings Average Weekly Hours	Hours and Earnings Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
729.9	678.8	51.1	7.0	February	654.0	145.7	93.6	467.25	42.4	11.02
730.3	679.0	51.2	7.0	March	656.6	142.2	90.4	462.40	42.5	10.88
737.7	697.3	40.4	5.5	April	673.1	146.9	94.8	459.38	41.8	10.99
744.4	703.0	41.4	5.6	May	679.6	147.6	95.3	466.15	42.3	11.02
750.4	701.8	48.6	6.5	June	680.2	144.7	92.0	466.52	42.8	10.90
756.6	712.1	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.1	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
751.8	708.6	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
INA	INA	INA	INA	March	673.9	137.9	86.1	453.18	42.0	10.79

INA - information not available.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1988[b]	February 1988[c]	March 1987[c]	From Last Month	From Last Year
TOTAL	678.9	679.4	656.6	- .5	22.3
MANUFACTURING	137.9	144.5	142.2	- 6.6	- 4.3
Durable Goods[e]	70.5	76.9	77.2	- 6.4	- 6.7
Fabricated metal products	10.2	10.2	10.3	.0	- .1
Fabricated structural metal products	3.9	4.0	4.0	- .1	- .1
Machinery, except electrical	20.4	20.5	20.4	- .1	.0
Metalworking machinery	7.8	8.0	8.3	- .1	- .5
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	7.5	7.7	7.1	- .1	.4
Transportation equipment	18.2[j]	24.7	25.8	- 6.4	- 7.5
Motor vehicles and equipment	4.9	4.9	5.2	.0	- .3
Nondurable Goods[f]	67.5	67.6	65.1	- .2	2.4
Food and kindred products	13.3	13.2	12.8	.2	.5
Beverages	3.4	3.3	3.6	.0	- .2
Apparel and other textile products	4.0	4.1	3.5	- .1	.5
Paper and allied products	5.9	6.0	6.0	- .1	- .1
Printing and publishing	13.4	13.4	13.1	.0	.3
Commercial printing	5.9	5.9	5.8	.0	.0
Chemicals and allied products	22.6	22.7	21.8	.0	.8
Rubber and misc. plastics products	5.9	5.9	5.5	.0	.4
NONMANUFACTURING[g]	540.9	534.9	514.4	6.1	26.5
CONSTRUCTION	29.1	28.0	26.1	1.2	3.0
TRANSPORTATION AND PUBLIC UTILITIES	36.0	35.1	34.0	.9	2.0
Trucking and warehousing	10.0	9.9	9.6	.1	.5
Communication, electric, gas services	15.1	15.1	14.9	.0	.2
WHOLESALE TRADE	45.0	45.0	43.7	.0	1.3
Wholesale trade-durable goods	26.6	26.6	25.6	.0	.9
RETAIL TRADE	125.6	124.8	121.5	.7	4.1
General merchandise stores	16.9	17.1	17.4	- .2	- .5
FINANCE, INSURANCE, AND REAL ESTATE	41.3	41.2	39.3	.1	2.0
Banking	9.0	9.0	8.5	.0	.5
Insurance carriers	14.2	14.1	13.7	.0	.5
SERVICES	173.4	171.2	160.9	2.2	12.5
Hotels and other lodging places	6.4	6.3	6.0	.1	.4
Personal services	8.9	8.8	8.4	.1	.5
Business services	41.8	41.2	37.9	.6	3.9
Amusement and recreation services	6.6	6.1	5.8	.5	.8
Health services	54.1	54.1	51.0	.0	3.1
Hospitals	25.6	25.7	24.6	- .1	1.0
GOVERNMENT	90.0	89.2	88.6	.8	1.3
Federal government	15.9	15.7	15.3	.2	.5
State government	20.3	20.1	20.3	.3	.0
State government education[i]	12.6	12.4	12.5	.2	.1
State government, except education	7.8	7.7	7.8	.1	- .1
Local government	53.8	53.4	52.9	.4	.9
Local government education	31.4	31.2	31.2	.2	.2
Local government, except education	22.4	22.2	21.7	.2	.7

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]
MANUFACTURING	$453.18	$466.47	$462.40	42.0	42.1	42.5	$10.79	$11.08	$10.88
Durable Goods[e]	432.43	473.12	460.75	41.7	42.7	42.9	10.37	11.08	10.74
Fabricated metal products	399.67	413.40	410.98	40.7	41.8	42.9	9.82	9.89	9.58
Fabricated structural metal products	383.76	415.33	415.25	39.4	41.7	42.2	9.74	9.96	9.84
Machinery, except electrical	425.96	424.53	415.25	42.3	42.2	42.2	10.07	10.06	9.84
Metalworking machinery	495.30	484.22	448.59	43.6	42.7	42.2	11.36	11.34	10.63
General industrial machinery	388.58	406.56	42[illegible].67	42.1	44.0	44.6	9.23	9.24	9.45
Electric and electronic equipment	335.41	332.09	341.78	39.6	39.3	40.4	8.47	8.45	8.46
Transportation equipment	758.18	730.91	68[illegible]	[illegible]	47.4	47.0	16.27	15.42	14.49
Motor vehicles and equipment	805.43	799.93	791.[illegible]	[illegible]	47.9	49.5	16.85	16.70	15.98
Nondurable Goods[f]	469.69	459.41	463.52	42.2	41.5	42.1	11.13	11.07	11.01
Food and kindred products	494.91	491.10	493.00	42.3	42.3	43.9	11.70	11.61	11.23
Beverages	521.25	529.55	515.42	41.7	42.5	41.6	12.50	12.46	12.39
Apparel and other textile products	228.73	209.56	219.65	39.3	36.7	38.4	5.82	5.71	5.72
Paper and allied products	420.89	411.84	427.65	42.3	41.6	42.3	9.95	9.90	10.11
Printing and publishing	470.68	474.21	446.06	41.0	41.2	39.3	11.48	11.51	11.35
Commercial printing	509.39	524.66	486.26	43.8	44.5	42.1	11.63	11.79	11.55
Chemicals and allied products	551.67	530.71	548.68	42.6	41.3	43.0	12.95	12.85	12.76
Rubber and misc. plastics products	405.04	391.78	406.75	43.6	42.4	44.6	9.29	9.24	9.12
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	546.00	539.92	517.72	40.0	39.7	39.4	13.65	13.60	13.14
WHOLESALE TRADE	399.56	397.18	384.75	40.4	40.2	40.5	9.89	9.88	9.50
RETAIL TRADE[h]	162.98	162.45	162.44	29.0	28.5	28.7	5.62	5.70	5.66
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	258.81	259.51	255.37	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

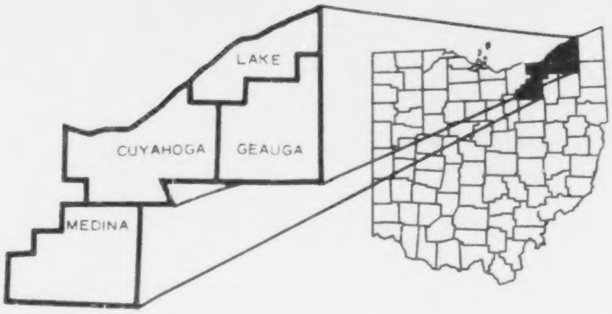
Selected Administrative Program Activities[a]

	March 1988	February 1988	March 1987
Employment Service Program			
New Applicants	2,506	2,775	3,313
Active File of Job Seekers	23,231	23,194	24,055
Referrals to Jobs	1,601	1,830	2,016
Placements	214	519	366
Job Openings Received	1,349	1,111	1,215
Job Openings Unfilled	2,174	1,495	1,873
Unemployment Insurance Program			
Initial Claims	4,123	4,684	8,768
Continued Claims	57,308	56,563	61,373
First Payments	3,221	3,982	2,495
Last Payments	1,960	886	646
Weeks Compensated	52,563	48,882	49,471
Benefits Paid	$8,328,146	$7,880,702	$7,558,136
Average Weekly Payment	$160.70	$163.42	$155.31

[a] Ohio data only

CLEVELAND

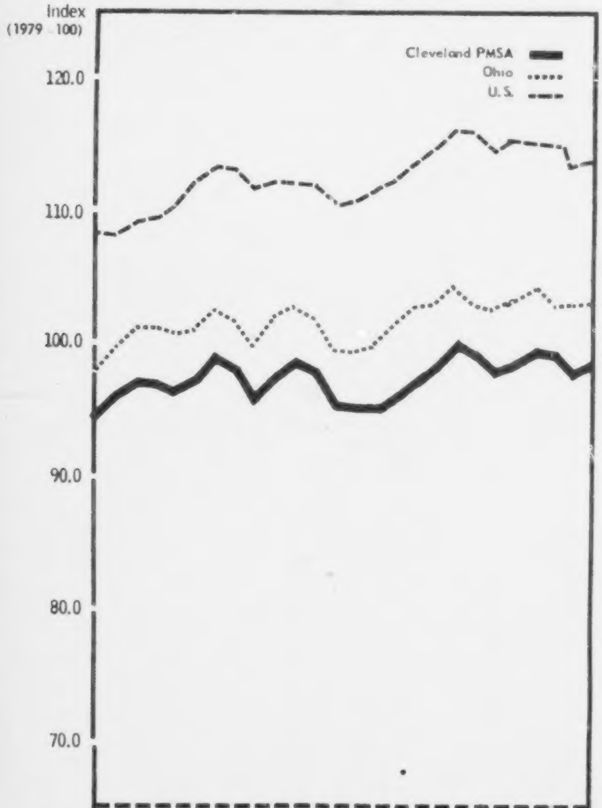
PRIMARY METROPOLITAN STATISTICAL AREA



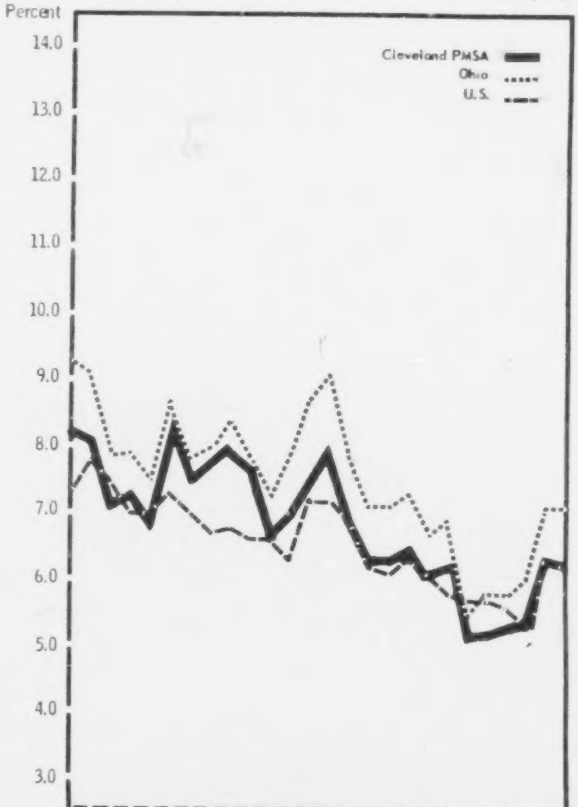
Total nonfarm employment in the Cleveland metropolitan area rose 4,000 since February, to 893,500 in March 1988. Services, retail trade, and construction were the primary growth sectors. Manufacturing employment was unchanged at 201,800. Modest gains were reported in fabricated metal products. Factory workers averaged $11.75 per hour, up $.09 from February. Their average workweek, 43.4 hours, was .5 hours longer.

Since March 1987, nonagricultural wage and salary employment has advanced 22,200. The major portion of the increase occurred in services (+9,400) and in retail trade (+6,200). Marked improvements were also recorded in finance, insurance, and real estate and in construction. The manufacturing workforce gained 2,500 jobs over the year. Growth in fabricated metal products and chemicals and allied products more than offset a decline in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

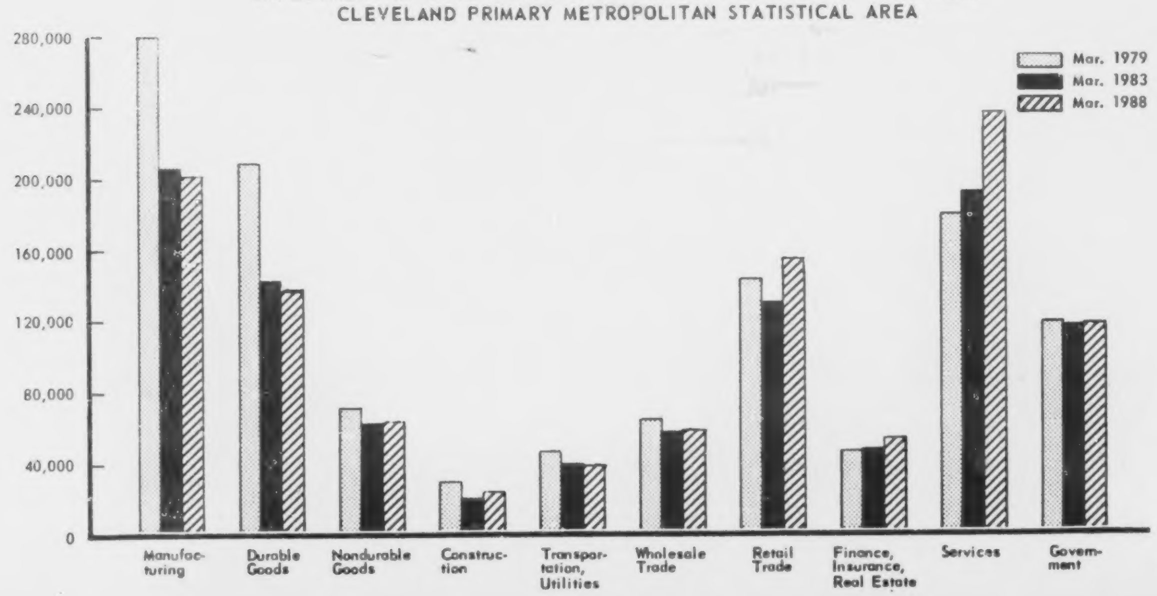


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
919.3	845.9	73.4	8.0	February	868.5	199.6	127.5	493.64	42.3	11.67
909.1	845.7	63.4	7.0	March	871.3	199.3	127.6	498.07	42.9	11.61
916.9	858.8	58.1	6.3	April	880.1	199.4	127.9	494.89	42.7	11.59
925.3	867.2	58.0	6.3	May	889.5	199.9	127.6	493.19	42.7	11.55
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.0	872.5	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
INA	INA	INA	INA	March	893.5	201.8	129.6	509.95	43.4	11.75

INA · information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Chnage[d] (in thousands)	
	March 1988[b]	February 1988[c]	March 1987[c]	From Last Month	From Last Year
TOTAL	893.5	889.6	871.3	4.0	22.2
MANUFACTURING	201.8	201.8	199.3	.0	2.5
Durable Goods[e]	136.9	136.8	136.2	.1	.8
Primary metal industries	20.9	20.9	20.9	.0	.0
Iron and steel foundries	5.2	5.2	5.2	.0	.0
Fabricated metal products	33.4	33.1	31.6	.3	1.7
Fabricated structural metal products	4.3	4.2	3.6	.2	.7
Screw machine products, bolts, etc.	4.8	4.8	4.6	.1	.2
Metal forgings and stampings	11.8	11.7	11.3	.1	.5
Machinery, except electrical	28.9	28.9	28.9	.0	.0
Construction and related machinery	2.6	2.6	2.6	.0	.1
Metalworking machinery	9.6	9.6	9.7	.0	-.1
Special industry machinery	2.5	2.5	2.8	.0	-.3
General industrial machinery	3.0	3.0	3.0	.0	.0
Electric and electronic equipment	17.9	18.0	18.0	-.1	.0
Electrical industrial apparatus	6.1	6.1	6.1	.0	.0
Transportation equipment	18.7	19.0	19.5	-.2	-.8
Motor vehicles and equipment	11.8	11.9	12.4	-.1	-.6
Instruments and related products	6.6	6.6	6.9	.0	-.3
Measuring and controlling devices	4.2	4.2	4.2	.0	.0
Nondurable Goods[f]	64.8	65.0	63.1	-.1	1.7
Food and kindred products	7.0	6.9	6.8	.0	.2
Apparel and other textile products	4.0	3.9	4.1	.0	-.1
Paper and allied products	5.7	5.7	5.5	.0	.2
Printing and publishing	16.2	16.3	15.9	-.1	.3
Chemicals and allied products	15.0	14.9	14.3	.1	.7
Rubber and misc. plastics products	12.2	12.3	11.8	-.1	.4
NONMANUFACTURING[g]	691.8	687.8	672.1	4.0	19.7
CONSTRUCTION	25.8	25.1	24.0	.7	1.8
TRANSPORTATION AND PUBLIC UTILITIES	39.9	39.5	40.6	.4	-.7
Trucking and warehousing	11.9	11.7	11.3	.2	.6
Communication, electric, gas services	17.4	17.3	18.5	.0	-1.2
WHOLESALE TRADE	60.0	60.0	60.1	-.1	-.1
Wholesale trade-durable goods	41.2	41.2	41.7	.0	-.5
RETAIL TRADE	154.8	154.0	148.6	.8	6.2
General merchandise stores	20.6	20.7	20.5	-.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	55.4	55.2	53.5	.2	1.9
Banking	13.3	13.3	13.2	.0	.0
Credit agencies other than banks	8.7	8.6	8.5	.0	.1
Insurance carriers	14.0	13.9	13.4	.1	.6
SERVICES	236.9	235.2	227.5	1.7	9.4
Business services	53.9	53.3	51.4	.6	2.5
Amusement and recreation services	6.3	6.0	6.2	.3	.2
Health services	76.0	75.9	74.0	.1	2.0
Hospitals	42.9	43.0	41.7	.0	1.2
GOVERNMENT	118.0	117.7	116.8	.3	1.3
Federal government	20.6	20.6	20.3	.1	.3
State government	8.3	8.2	8.6	.1	-.2
State government education[i]	3.3	3.3	3.3	.1	.0
State government, except education	5.0	5.0	5.2	.1	-.2
Local government	89.0	89.0	87.9	.1	1.2
Local government education	46.2	45.8	44.9	.3	1.2
Local government, except education	42.9	43.1	43.0	-.2	-.1

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

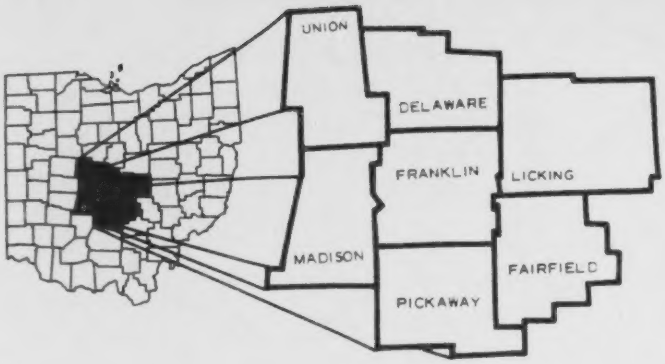
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]
MANUFACTURING	$509.95	$500.21	$498.07	43.4	42.9	42.9	$11.75	$11.66	$11.61
Durable Goods[e]	547.90	536.55	532.88	44.4	43.8	43.5	12.34	12.25	12.25
Primary metal industries	589.15	579.22	632.96	45.6	45.5	45.8	12.92	12.73	13.82
Iron and steel foundries	860.64	797.79	838.63	48.9	46.6	49.8	17.60	17.12	16.84
Fabricated metal products	533.48	549.85	542.21	43.8	44.2	44.7	12.18	12.44	12.13
Fabricated structural metal products	384.64	371.84	388.33	39.9	39.1	41.4	9.64	9.51	9.38
Screw machine products, bolts, etc.	529.97	519.02	481.05	46.9	46.3	44.5	11.30	11.21	10.81
Metal forgings and stampings	655.87	705.06	697.73	44.8	46.6	47.4	14.64	15.13	14.72
Machinery, except electrical	511.69	489.18	488.63	43.4	42.5	42.9	11.79	11.51	11.39
Construction and related machinery	414.04	410.39	386.67	45.3	44.9	43.3	9.14	9.14	8.93
Metalworking machinery	444.29	430.40	412.48	41.1	40.3	40.4	10.81	10.68	10.21
Special industry machinery	491.71	490.53	484.33	41.6	41.5	40.7	11.82	11.82	11.90
General industrial machinery	495.90	504.68	487.01	43.5	44.0	43.6	11.40	11.47	11.17
Electric and electronic equipment	475.89	471.10	428.90	43.5	43.3	40.5	10.94	10.88	10.59
Electrical industrial apparatus	546.94	547.13	450.02	46.0	45.9	40.8	11.89	11.92	11.03
Transportation equipment	729.61	693.42	667.22	46.8	45.5	44.6	15.59	15.24	14.96
Motor vehicles and equipment	807.29	756.51	690.40	47.1	45.3	44.2	17.14	16.70	15.62
Instruments and related products	413.69	408.24	395.08	42.3	41.7	41.5	9.78	9.79	9.52
Measuring and controlling devices	432.43	429.94	417.92	41.7	41.5	42.3	10.37	10.36	9.88
Nondurable Goods[f]	420.86	413.51	414.83	41.1	40.7	41.4	10.24	10.16	10.02
Food and kindred products	393.47	386.82	388.09	42.4	42.0	42.6	9.28	9.21	9.11
Apparel and other textile products	328.64	329.78	322.00	39.5	39.4	40.3	8.32	8.37	7.99
Paper and allied products	471.22	462.31	458.89	42.3	41.8	42.1	11.14	11.06	10.90
Printing and publishing	414.41	395.01	418.18	38.3	37.3	38.9	10.82	10.59	10.75
Chemicals and allied products	502.02	511.80	487.72	42.4	42.9	42.3	11.84	11.93	11.53
Rubber and misc. plastics products	377.32	373.47	391.53	42.3	42.2	43.6	8.92	8.85	8.98
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	571.05	571.26	552.27	40.5	40.4	40.4	14.10	14.14	13.67
WHOLESALE TRADE	400.67	403.91	387.83	38.6	38.8	38.9	10.38	10.41	9.97
RETAIL TRADE[h]	181.66	178.05	178.48	27.4	27.1	27.8	6.63	6.57	6.42
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	297.93	296.92	292.56	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	341.02	339.14	333.72	31.2	31.0	32.4	10.93	10.94	10.30

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1988	February 1988	March 1987
Employment Service Program			
New Applicants	4,874	4,694	8,145
Active File of Job Seekers	63,562	63,093	75,016
Referrals to Jobs	2,071	1,679	2,543
Placements	375	278	395
Job Openings Received	1,608	1,054	1,259
Job Openings Unfilled	2,885	2,322	1,989
Unemployment Insurance Program			
Initial Claims	7,766	7,680	7,333
Continued Claims	94,711	86,928	86,880
First Payments	3,938	5,495	3,696
Last Payments	1,104	966	1,213
Weeks Compensated	81,226	67,765	72,829
Benefits Paid	$12,757,587	$10,553,275	$10,993,448
Average Weekly Payment	$159.33	$158.04	$153.17

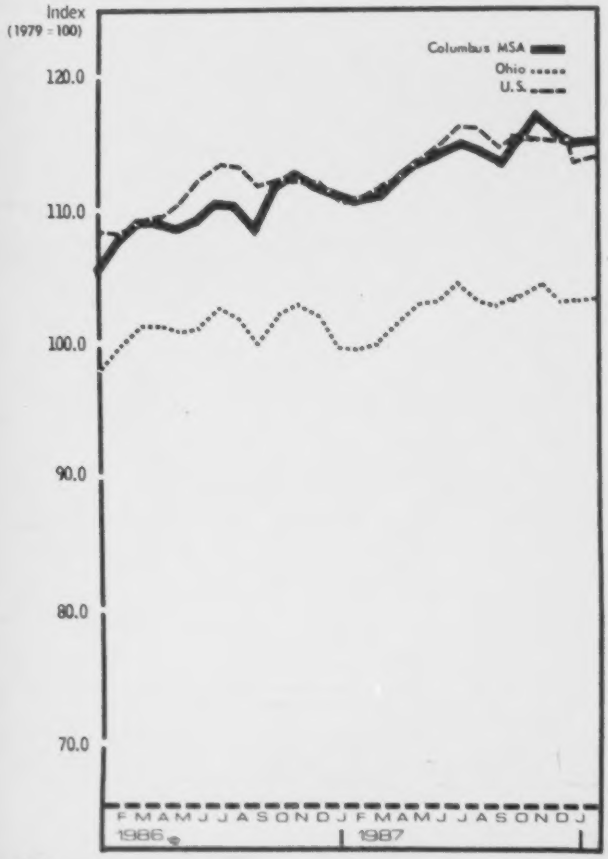
COLUMBUS
METROPOLITAN STATISTICAL AREA



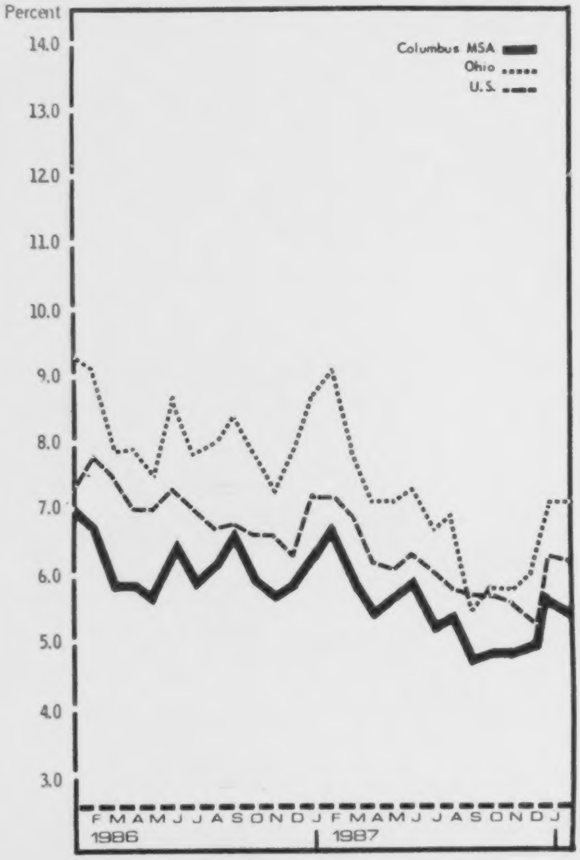
In the Columbus metropolitan area, nonagricultural wage and salary employment increased 4,600 from February, to 667,600 in March. Seasonal growth in services and construction contributed most to the improvement. The manufacturing labor force gained 300 workers during the month. Advances in nondurable goods, especially rubber and miscellaneous plastics products, outweighed scattered losses in durable-goods industries. Production workers earned average wages of $11.53 per hour, $.08 higher than last month. The average workweek was .3 hours shorter, at 41.4 hours.

Total nonfarm employment increased 20,500 from March 1987 to March 1988. Expansion in services and retail trade contributed most to this outcome. However, construction, finance, insurance, and real estate, and government also showed important gains. Although nondurable-goods industries added 1,200 jobs, significant losses in transportation equipment and stone, clay, and glass products helped lower total manufacturing employment 1,700 during the period.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

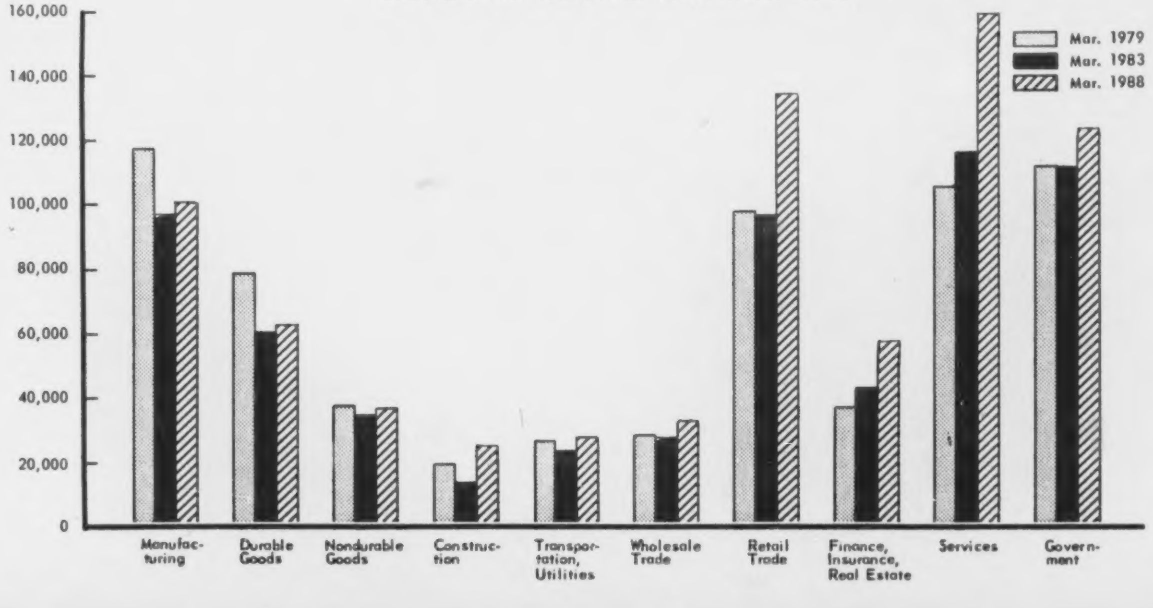


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
685.8	639.8	46.0	6.7	February	641.9	103.2	68.4	463.81	40.9	11.34
682.4	643.0	39.4	5.8	March	647.1	103.4	68.6	477.47	41.7	11.45
687.4	650.8	36.6	5.3	April	650.6	103.3	68.3	466.49	41.1	11.35
696.1	657.1	39.1	5.6	May	657.2	103.4	68.4	474.24	41.6	11.40
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5	11.40
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.6	665.9	37.7	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
INA	INA	INA	INA	March	667.6	101.6	66.5	477.34	41.4	11.53

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	March 1988[b]	February 1988[c]	March 1987[c]	From Last Month	From Last Year
TOTAL	667.6	663.0	647.1	4.6	20.5
MANUFACTURING	101.6	101.4	103.4	.3	-1.7
Durable Goods[e]	63.9	64.0	66.9	-.1	-3.0
Stone, clay, and glass products	9.8	9.9	10.6	-.1	-.7
Glass and glassware, pressed or blown	3.7	3.8	4.3	-.1	-.6
Fabricated metal products	9.2	9.2	9.5	.0	-.3
Fabricated structural metal products	2.8	2.9	2.8	-.1	.0
Machinery, except electrical	9.2	9.2	9.1	.0	.1
Electric and electronic equipment	10.7	10.8	11.0	-.1	-.3
Transportation equipment	13.2	13.1	15.1	.0	-2.0
Instruments and related products	4.2	4.2	4.1	.0	.1
Nondurable Goods[f]	37.7	37.4	36.5	.4	1.2
Food and kindred products	10.4	10.3	10.0	.1	.5
Printing and publishing	10.3	10.3	10.0	.1	.3
Chemicals and allied products	6.7	6.7	6.7	.0	.0
Rubber and misc. plastics products	5.6	5.4	5.2	.2	.3
NONMANUFACTURING[g]	566.0	561.7	543.7	4.3	22.3
CONSTRUCTION	26.4	25.5	23.9	.9	2.5
TRANSPORTATION AND PUBLIC UTILITIES	27.9	27.8	27.4	.1	.5
Trucking and warehousing	11.6	11.5	11.4	.1	.2
Communication, electric, gas services	11.6	11.6	11.6	.0	.0
WHOLESALE TRADE	35.0	34.8	33.2	.1	1.8
Wholesale trade-durable goods	22.6	22.5	21.4	.0	1.2
RETAIL TRADE	134.9	134.2	129.4	.7	5.6
General merchandise stores	22.2	22.4	20.3	-.2	1.9
FINANCE, INSURANCE, AND REAL ESTATE	58.4	58.4	56.2	.0	2.2
Banking	11.9	12.0	11.4	.0	.5
Insurance carriers	23.2	23.1	22.6	.0	.5
SERVICES	159.4	157.8	151.9	1.6	7.6
Business services	36.3	35.7	34.3	.6	2.0
Health services	40.6	40.4	39.0	.2	1.6
Hospitals	18.0	17.9	17.2	.1	.8
GOVERNMENT	123.0	122.2	120.9	.8	2.1
Federal government	15.2	15.2	15.6	.0	-.5
State government	55.3	54.7	53.8	.6	1.5
State government education[i]	24.1	24.0	23.5	.1	.6
State government, except education	31.2	30.7	30.3	.5	.9
Local government	52.5	52.3	51.5	.2	1.0
Local government education	32.6	32.3	31.2	.4	1.4
Local government, except education	19.9	20.0	20.3	-.1	-.4

Hours & Earnings of Production or Nonsupervisory Workers[a]

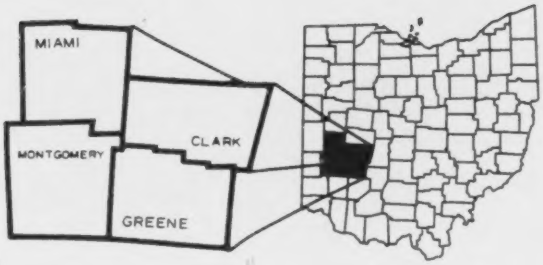
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]
MANUFACTURING	$477.34	$477.47	$477.47	41.4	41.7	41.7	$11.53	$11.45	$11.45
Durable Goods[e]	487.21	490.47	489.90	41.5	42.1	41.8	11.74	11.65	11.72
Stone, clay, and glass products	481.39	466.62	475.60	40.9	40.4	41.0	11.77	11.55	11.60
Glass and glassware, pressed or blown	438.69	429.24	401.32	39.7	39.2	38.7	11.05	10.95	10.37
Fabricated metal products	489.54	501.84	495.32	39.8	40.8	40.5	12.30	12.30	12.23
Fabricated structural metal products	442.41	477.22	449.82	40.7	42.8	42.0	10.87	11.15	10.71
Machinery, except electrical	442.85	454.96	459.06	41.7	42.8	42.0	10.62	10.63	10.93
Electric and electronic equipment	456.74	453.87	441.69	41.0	41.0	39.9	11.14	11.07	11.07
Transportation equipment	616.44	630.19	604.35	44.0	45.6	45.0	14.01	13.82	13.43
Instruments and related products	420.39	418.95	434.50	40.5	40.4	41.9	10.38	10.37	10.37
Nondurable Goods[f]	457.32	452.64	449.76	41.2	41.0	41.3	11.10	11.04	10.89
Food and kindred products	446.35	433.31	441.83	40.8	39.9	41.1	10.94	10.86	10.75
Printing and publishing	522.60	520.87	495.74	39.0	38.9	38.4	13.40	13.39	12.91
Chemicals and allied products	556.20	544.74	536.34	42.2	42.0	42.0	13.18	12.97	12.77
Rubber and misc. plastics products	357.43	363.66	361.56	42.4	43.5	43.3	8.43	8.36	8.35
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	578.14	564.39	543.10	40.8	40.4	40.2	14.17	13.97	13.51
WHOLESALE TRADE	344.10	344.83	345.98	37.2	37.4	38.4	9.25	9.22	9.01
RETAIL TRADE[h]	180.18	175.97	167.72	28.6	28.2	28.0	6.30	6.24	5.99
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	263.20	261.66	255.09	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	332.52	335.11	321.10	34.0	34.3	33.8	9.78	9.77	9.50

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1988	February 1988	March 1987
Employment Service Program			
New Applicants	4,431	4,120	5,291
Active File of Job Seekers	33,817	33,598	37,475
Referrals to Jobs	2,606	2,075	2,870
Placements	683	563	576
Job Openings Received	1,283	1,081	2,258
Job Openings Unfilled	2,431	2,482	5,149
Unemployment Insurance Program			
Initial Claims	4,091	5,069	4,767
Continued Claims	55,014	53,181	53,126
First Payments	2,583	3,192	2,263
Last Payments	800	544	602
Weeks Compensated	50,967	44,644	44,067
Benefits Paid	$8,085,268	$7,080,238	$6,658,769
Average Weekly Payment	$161.48	$160.72	$153.94

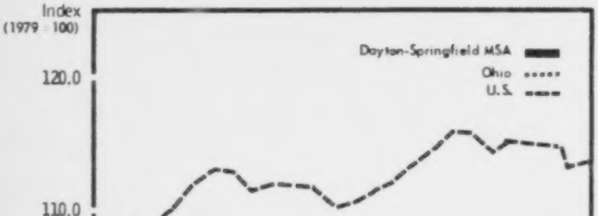
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



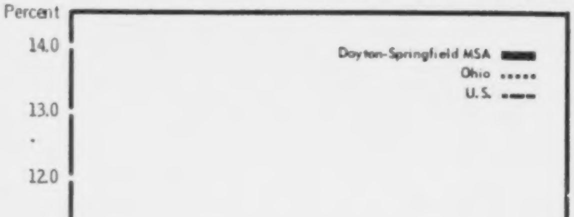
Total nonfarm employment in the Dayton-Springfield metropolitan area rose 3,600 from February, to 430,500 in March. An increased workforce in nonmanufacturing sectors contributed 88.9 percent of the improvement. Primary growth sectors were services, construction, and retail trade. Manufacturing employment was 500 higher in March, due chiefly to gains in transportation equipment. Production workers averaged $12.38 per hour, an increase of $.19 from last month. They worked .6 hours longer, for an average workweek of 43.0 hours.

Expansion in nonmanufacturing industries resulted in total nonagricultural wage and salary employment advancing 8,700 since March 1987. Significant growth occurred in services, retail trade, and construction. A major decline in transportation equipment lowered manufacturing employment 1,000 over the period, to 102,300.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



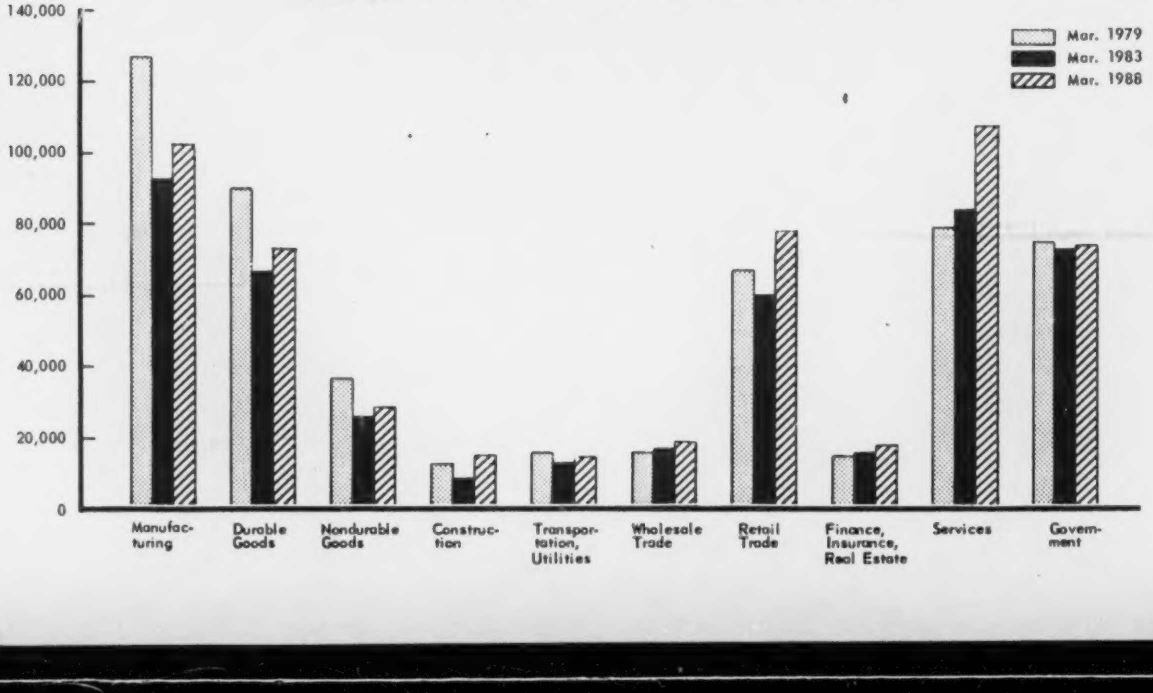
DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
460.1	426.7	33.5	7.3	February	419.5	103.0	66.4	505.56	42.2	11.98
455.5	427.8	27.8	6.1	March	421.9	103.3	66.4	494.15	41.7	11.85
460.8	434.8	26.0	5.6	April	426.5	103.9	67.0	486.10	41.3	11.77
464.3	437.5	26.8	5.8	May	429.3	104.0	67.0	486.04	41.4	11.74
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.8	437.2	28.7	6.2	February	426.9	101.9	65.0	516.86	42.4	12.19
INA	INA	INA	INA	March	430.5	102.3	65.5	532.34	43.0	12.38

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	March 1988[b]	February 1988[c]	March 1987[c]	From Last Month	From Last Year
TOTAL	430.5	426.9	421.9	3.6	8.7
MANUFACTURING	102.3	101.9	103.3	.5	-1.0
Durable Goods[e]	73.7	73.1	74.7	.5	-1.0
Fabricated metal products	8.3	8.3	8.4	.0	-.2
Machinery, except electrical	30.2	30.3	30.2	-.1	.0
Metalworking machinery	6.6	6.6	6.6	.0	.0
General industrial machinery	2.8	2.8	2.3	.0	.5
Electric and electronic equipment	5.9	5.8	5.9	.1	.0
Electrical industrial apparatus	3.5	3.5	3.6	.0	-.1
Transportation equipment	20.1	19.6	21.1	.4	-1.0
Nondurable Goods[f]	28.7	28.7	28.6	-.1	.0
Food and kindred products	2.7	2.7	2.8	.0	.0
Paper and allied products	6.0	6.0	5.6	.0	.4
Printing and publishing	8.6	8.6	8.5	.0	.1
Rubber and misc. plastics products	7.7	7.8	8.0	-.1	-.3
NONMANUFACTURING[g]	328.2	325.0	318.6	3.2	9.6
CONSTRUCTION	15.6	14.8	14.1	.8	1.5
TRANSPORTATION AND PUBLIC UTILITIES	15.4	15.2	15.2	.2	.1
Communication, electric, gas services	5.3	5.4	5.7	.0	-.3
WHOLESALE TRADE	18.7	18.6	18.2	.0	.5
Wholesale trade-durable goods	12.4	12.4	12.0	.0	.4
RETAIL TRADE	78.5	77.9	75.7	.7	2.8
General merchandise stores	11.8	12.0	11.6	-.2	.2
FINANCE, INSURANCE, AND REAL ESTATE	17.9	17.8	17.5	.1	.4
Banking	4.1	4.2	4.4	.0	-.2
Credit agencies other than banks	4.8	4.8	4.5	.1	.3
Insurance carriers	2.7	2.7	3.0	.1	-.3
SERVICES	107.4	106.5	102.3	.9	5.2
Business services	26.3	26.2	24.3	.1	2.0
Health services	36.0	35.8	35.2	.2	.8
Hospitals	18.4	18.4	18.5	.0	.0
Educational services	8.7	8.7	8.4	.0	.4
GOVERNMENT	74.3	73.9	75.1	.4	-.8
Federal government	28.2	28.2	27.7	.0	.5
State government	7.3	7.2	7.2	.1	.1
State government education[i]	4.5	4.3	4.4	.1	.0
State government, except education	2.9	2.9	2.8	.0	.1
Local government	38.8	38.5	40.2	.3	-1.4
Local government education	24.2	24.0	25.7	.2	-1.5
Local government, except education	14.6	14.5	14.5	.1	.1

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

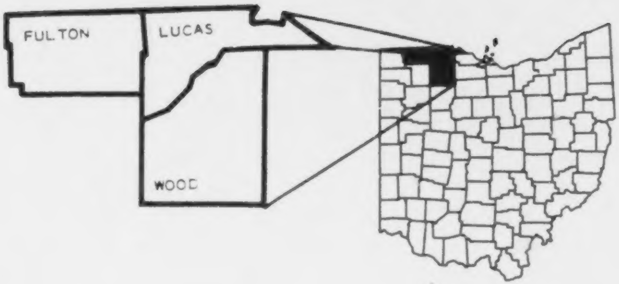
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]
MANUFACTURING	$532.34	$516.86	$494.15	43.0	42.4	41.7	$12.38	$12.19	$11.85
Durable Goods[e]	541.34	524.06	504.11	43.1	42.4	41.8	12.56	12.36	12.06
Fabricated metal products	397.00	395.33	390.73	42.1	42.6	41.7	9.43	9.28	9.37
Machinery, except electrical	553.39	554.26	541.00	42.7	42.8	42.2	12.96	12.95	12.82
Metalworking machinery	556.01	559.98	513.46	45.8	45.9	42.4	12.14	12.20	12.11
General industrial machinery	441.79	439.60	446.61	41.6	41.2	41.2	10.62	10.67	10.84
Electric and electronic equipment	442.06	439.22	433.16	45.2	44.5	44.2	9.78	9.87	9.80
Electrical industrial apparatus	515.86	508.37	520.45	46.6	46.3	47.4	11.07	10.98	10.98
Transportation equipment	689.53	646.18	588.75	44.4	42.4	41.2	15.53	15.24	14.29
Nondurable Goods[f]	504.38	498.85	465.22	42.6	42.6	41.5	11.84	11.71	11.21
Food and kindred products	337.66	351.14	349.45	39.4	40.5	41.9	8.57	8.67	8.34
Paper and allied products	515.59	516.20	493.58	46.2	46.8	46.0	11.16	11.03	10.73
Printing and publishing	432.06	425.70	416.23	39.1	38.7	38.9	11.05	11.00	10.70
Rubber and misc. plastics products	655.11	641.76	565.20	43.5	43.1	40.0	15.06	14.89	14.13
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	573.35	534.76	515.09	41.1	39.7	39.2	13.95	13.47	13.14
WHOLESALE TRADE	421.78	418.40	401.20	40.4	40.0	40.0	10.44	10.46	10.03
RETAIL TRADE[h]	159.80	155.61	156.75	27.6	27.3	27.5	5.79	5.70	5.70
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	370.62	370.97	359.44	34.8	34.8	34.2	10.65	10.66	10.51

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1988	February 1988	March 1987
Employment Service Program			
New Applicants	2,775	2,628	2,725
Active File of Job Seekers	20,630	20,449	24,061
Referrals to Jobs	1,782	1,027	1,709
Placements	501	251	268
Job Openings Received	875	683	828
Job Openings Unfilled	1,973	2,230	1,699
Unemployment Insurance Program			
Initial Claims	2,310	3,173	2,717
Continued Claims	35,714	36,329	34,498
First Payments	1,616	2,687	1,431
Last Payments	504	381	495
Weeks Compensated	33,252	32,737	28,784
Benefits Paid	$4,892,895	$4,817,885	$4,060,577
Average Weekly Payment	$148.70	$149.63	$143.93

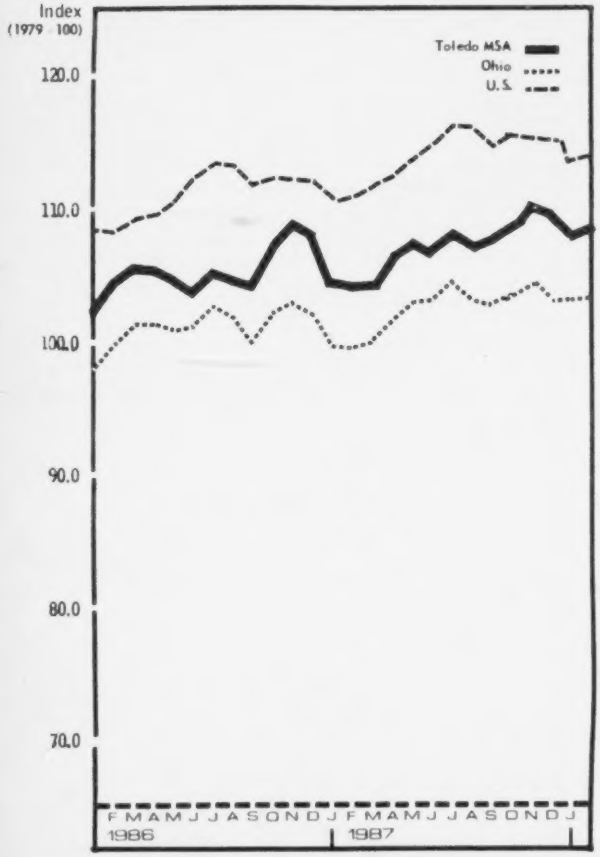
TOLEDO
METROPOLITAN STATISTICAL AREA



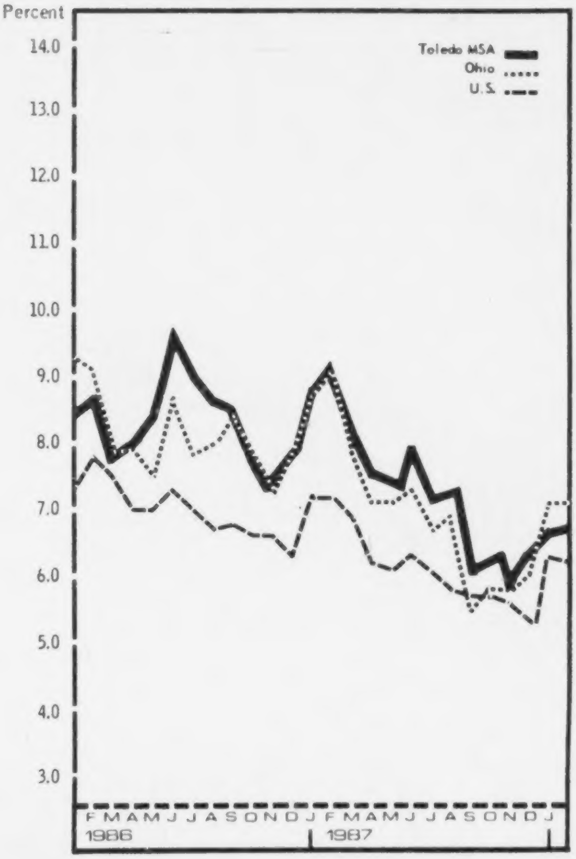
In March, total nonagricultural wage and salary employment in the Toledo area advanced 2,400 over the February level, to 283,900. Improvements in services, government, especially state and local schools and colleges, construction, and retail trade contributed 87.5 percent of the gain. Manufacturing employment remained unchanged at 61,800. Production workers averaged $13.14 per hour, increasing $.39 from last month. Their average workweek, 43.0 hours, was 1.7 hours longer.

Total nonfarm employment rose 10,500 between March 1987 and March 1988. Growth was concentrated in nonmanufacturing industries, especially services, retail trade, and construction. Manufacturing employment lost 100 workers over the year. Declines in motor vehicles and equipment and electric and electronic equipment negated modest improvements in stone, clay, and glass products and in nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

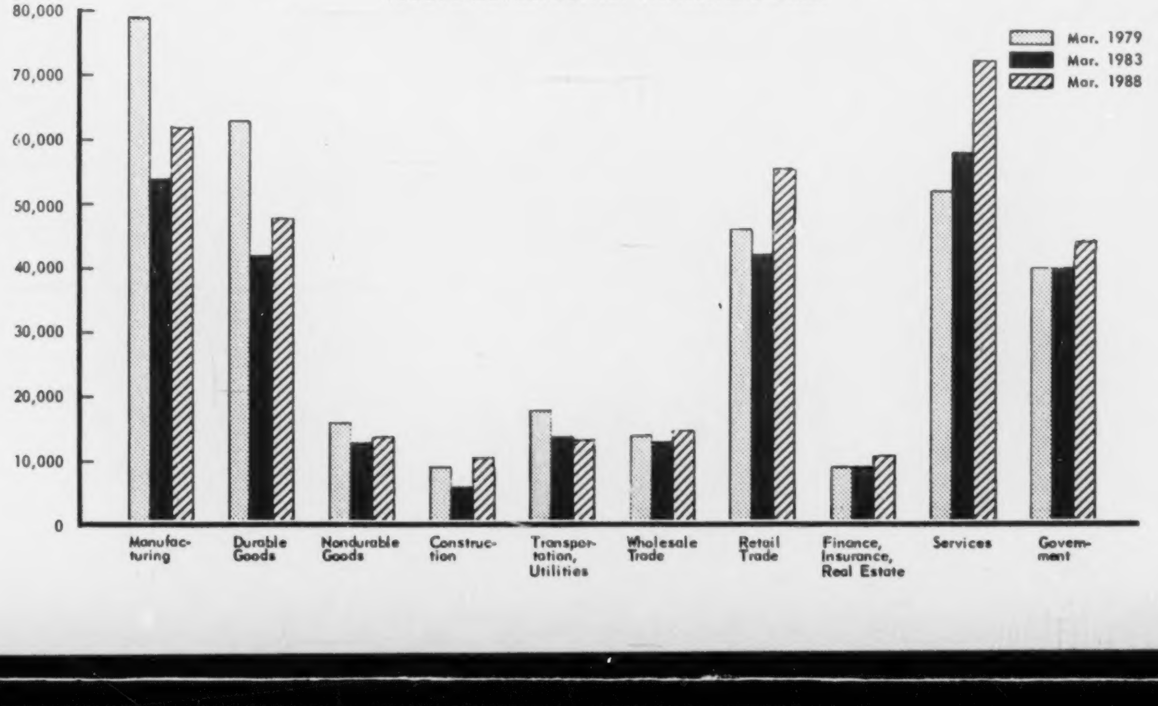


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings Average Weekly Earnings	Hours and Earnings Average Weekly Hours	Hours and Earnings Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
306.1	278.0	28.1	9.2	February	271.5	61.8	43.4	547.78	43.2	12.68
303.4	279.0	24.4	8.0	March	273.4	61.9	43.6	543.56	42.8	12.70
307.9	284.8	23.0	7.5	April	277.4	62.0	43.8	537.21	42.4	12.67
310.3	287.5	22.8	7.3	May	280.2	61.8	43.4	532.55	41.9	12.71
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572,47	43.7	13.10
311.4	290.4	21.0	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
INA	INA	INA	INA	March	283.9	61.8	44.1	565.02	43.0	13.14

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	March 1988[b]	February 1988[c]	March 1987[c]	From Last Month	From Last Year
TOTAL	283.9	281.5	273.4	2.4	10.5
MANUFACTURING	61.8	61.8	61.9	.0	-.1
Durable Goods[e]	47.9	47.8	48.3	.1	-.4
Stone, clay, and glass products	8.2	8.2	7.9	.1	.3
Primary metal industries	3.5	3.5	3.6	.0	-.1
Fabricated metal products	7.6	7.5	7.7	.0	-.1
Metal forgings and stampings	3.3	3.3	3.5	.1	-.1
Machinery, except electrical	6.2	6.1	6.0	.0	.2
Electric and electronic equipment	2.3	2.3	2.6	.0	-.3
Transportation equipment	15.4	15.4	16.2	-.1	-.8
Motor vehicles and equipment	14.5	14.5	15.2	-.1	-.8
Nondurable Goods[f]	13.9	14.0	13.6	-.1	.3
Food and kindred products	3.6	3.6	3.4	-.1	.2
Rubber and misc. plastics products	3.1	3.0	2.9	.1	.2
NONMANUFACTURING[g]	222.2	219.7	211.6	2.5	10.6
CONSTRUCTION	10.5	10.1	8.8	.4	1.7
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.4	13.1	.2	.5
Trucking and warehousing	5.4	5.3	5.1	.1	.3
Communication, electric, gas services	5.0	5.0	5.0	.0	.0
WHOLESALE TRADE	15.0	14.9	14.3	.1	.7
Wholesale trade-durable goods	9.8	9.8	9.5	.0	.3
RETAIL TRADE	55.3	54.9	52.3	.4	3.1
General merchandise stores	7.2	7.2	7.6	.0	-.4
FINANCE, INSURANCE, AND REAL ESTATE	11.2	11.2	11.1	.0	.2
Banking	3.6	3.6	3.4	.0	.2
SERVICES	72.4	71.6	68.8	.8	3.7
Business services	15.3	15.1	13.6	.2	1.7
Health services	27.2	27.1	26.8	.1	.4
Hospitals	15.2	15.2	15.2	.0	.0
GOVERNMENT	44.0	43.5	43.1	.5	.8
State government	16.4	16.2	16.3	.2	.2
State government education[1]	12.4	12.2	12.2	.2	.2
State government, except education	4.0	4.0	4.0	.0	.0
Local government	24.9	24.7	24.2	.2	.7
Local government education	14.5	14.3	14.1	.2	.3
Local government, except education	10.4	10.3	10.1	.1	.3

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

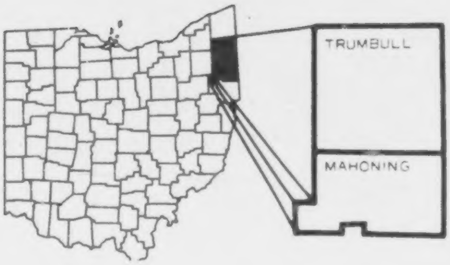
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]
MANUFACTURING	$565.02	$526.58	$543.56	43.0	41.3	42.8	$13.14	$12.75	$12.70
Durable Goods[e]	592.70	547.64	565.02	43.2	41.3	43.0	13.72	13.26	13.14
Stone, clay, and glass products	532.30	504.27	524.34	41.2	39.8	40.9	12.92	12.67	12.82
Primary metal industries	484.27	474.88	507.30	43.2	42.4	44.5	11.21	11.20	11.40
Fabricated metal products	539.72	560.28	535.35	42.1	43.5	43.0	12.82	12.88	12.45
Metal forgings and stampings	687.73	726.33	682.86	44.6	46.5	46.9	15.42	15.62	14.56
Machinery, except electrical	508.98	520.37	481.74	42.7	43.4	42.0	11.92	11.99	11.47
Electric and electronic equipment	511.70	546.12	547.83	41.4	42.9	42.9	12.36	12.73	12.77
Transportation equipment	748.48	614.23	670.14	44.9	38.9	43.8	16.67	15.79	15.30
Motor vehicles and equipment	756.00	616.92	672.77	45.0	38.8	43.8	16.80	15.90	15.36
Nondurable Goods[f]	458.89	448.52	464.25	42.1	41.3	41.9	10.90	10.86	11.08
Food and kindred products	526.58	533.63	611.80	42.5	43.0	46.0	12.39	12.41	13.30
Rubber and misc. plastics products	336.60	334.97	310.47	41.2	40.9	39.5	8.17	8.19	7.86
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	625.62	584.45	580.46	42.3	40.7	41.7	14.79	14.36	13.92
WHOLESALE TRADE	371.70	368.06	351.19	38.8	38.3	37.4	9.58	9.61	9.39
RETAIL TRADE[h]	161.58	157.62	159.60	28.7	28.4	28.5	5.63	5.55	5.60

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1988	February 1988	March 1987
Employment Service Program			
New Applicants	2,315	2,130	2,462
Active File of Job Seekers	19,031	18,333	21,111
Referrals to Jobs	1,247	1,005	1,331
Placements	243	256	235
Job Openings Received	519	528	635
Job Openings Unfilled	835	666	985
Unemployment Insurance Program			
Initial Claims	2,983	4,623	3,856
Continued Claims	30,822	30,036	34,235
First Payments	1,586	2,163	1,497
Last Payments	328	285	364
Weeks Compensated	26,414	23,806	26,543
Benefits Paid	$4,052,640	$3,591,481	$3,924,068
Average Weekly Payment	$156.13	$153.61	$150.87

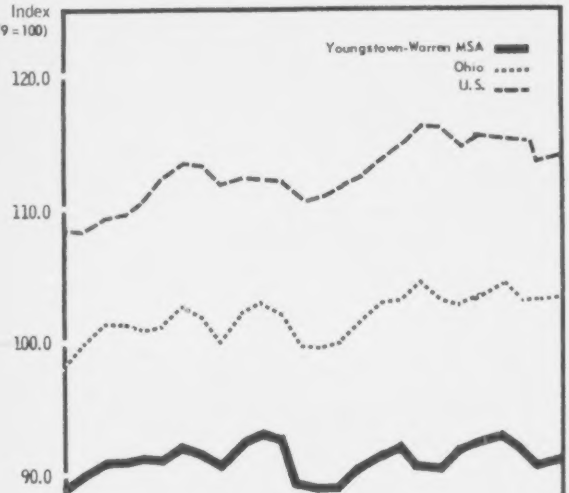
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



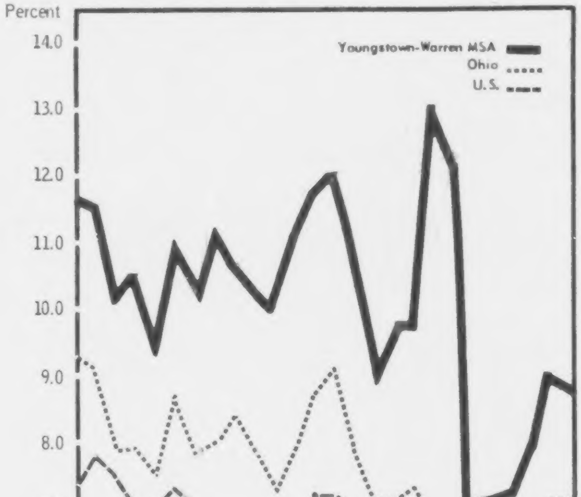
Total nonfarm employment in the Youngstown-Warren area was 1,800 above the February level, at 189,700 in March. Nonmanufacturing employment increased 1,300. Primary growth sectors were retail trade, construction, and services. Moderate improvements in durable-goods industries, especially primary metal industries, contributed most to the gain of 500 manufacturing jobs since February. Factory workers earned an average of $13.40 per hour, up $.03 from last month. Their average workweek, 41.6 hours, was slightly longer.

Nonagricultural wage and salary employment increased 4,500 since March 1987. Expansion in services and retail trade contributed 64.4 percent of the gain. Marked improvement was also noted in wholesale trade and construction. Manufacturing employment recorded a slight increase of 100, to 49,700. Growth in fabricated metal products offset scattered losses in other durable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

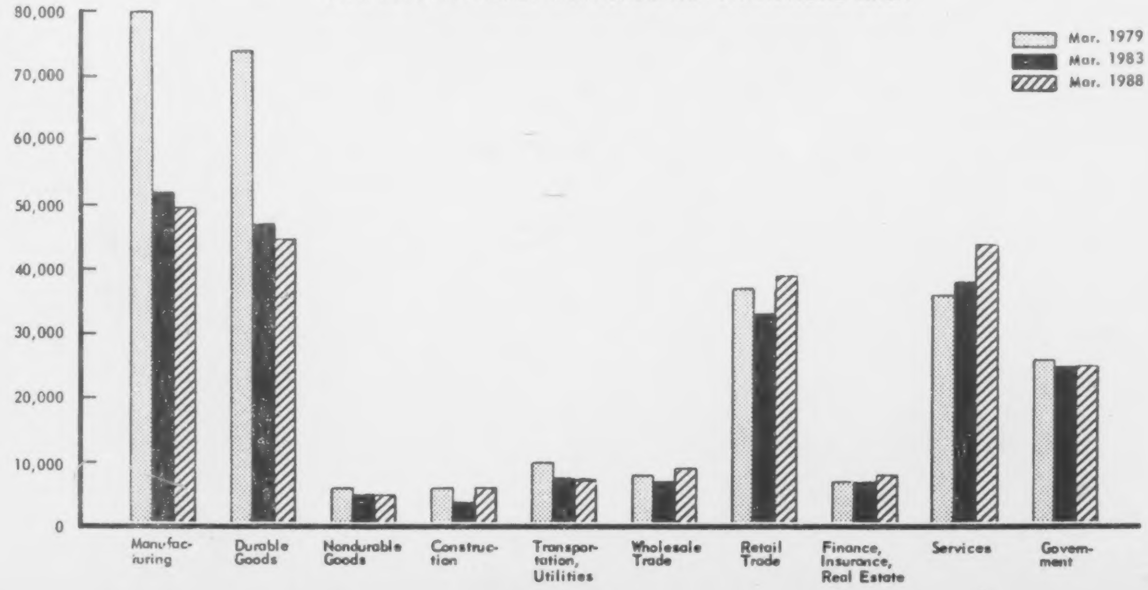


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
222.2	195.5	26.8	12.0	February	184.3	49.3	36.9	580.13	43.1	13.46
217.9	195.5	22.4	10.3	March	185.2	49.6	37.2	579.79	43.3	13.39
218.4	199.1	19.3	8.8	April	187.4	49.7	37.4	571.94	43.1	13.27
223.0	201.5	21.5	9.7	May	189.6	49.1	36.8	565.78	42.7	13.25
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.6	200.4	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
INA	INA	INA	INA	March	189.7	49.7	37.8	557.44	41.6	13.40

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1988[b]	February 1988[c]	March 1987[c]	From Last Month	From Last Year
TOTAL	189.7	187.9	185.2	1.8	4.5
MANUFACTURING	49.7	49.2	49.6	.5	.1
Durable Goods[e]	44.6	44.0	44.6	.6	.0
Primary metal industries	18.6	18.3	18.6	.2	-.1
Blast furnace and basic steel products	5.7	5.6	5.8	.0	-.1
Fabricated metal products	7.5	7.4	7.3	.1	.2
Machinery, except electrical	3.7	3.7	3.8	.0	-.1
Electric and electronic equipment	2.2	2.2	2.2	.0	.0
Transportation equipment	9.5	9.5	9.6	.0	-.1
Nondurable Goods[f]	5.1	5.1	5.0	-.1	.1
NONMANUFACTURING[g]	140.1	138.8	135.6	1.3	4.4
CONSTRUCTION	6.3	6.0	5.7	.4	.7
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.5	7.5	.0	.1
Communication, electric, gas services	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	9.8	9.8	9.0	.1	.8
Wholesale trade-durable goods	6.1	6.1	5.7	.0	.4
RETAIL TRADE	38.9	38.5	37.5	.5	1.4
General merchandise stores	5.0	5.1	5.3	-.1	-.3
FINANCE, INSURANCE, AND REAL ESTATE	8.1	8.1	8.0	.0	.1
Banking	2.8	2.8	2.8	.0	.1
SERVICES	43.9	43.6	42.5	.3	1.5
Health services	19.4	19.4	19.1	.0	.4
Hospitals	10.0	10.0	10.0	.0	.0
GOVERNMENT	24.8	24.8	24.8	.0	.0
State government	4.4	4.4	4.4	.0	.0
State government education[1]	2.9	2.9	2.9	.0	.0
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.2	18.3	18.4	-.1	-.1
Local government education	12.0	12.0	12.1	-.1	-.1
Local government, except education	6.2	6.3	6.3	.0	.0

Youngstown-Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]	Mar. 1988[b]	Feb. 1988[c]	Mar. 1987[c]
MANUFACTURING	$557.44	$554.86	$579.79	41.6	41.5	43.3	$13.40	$13.37	$13.39
Durable Goods[e]	570.57	567.95	598.19	41.8	41.7	43.6	13.65	13.62	13.72
Primary metal industries	606.32	606.94	609.76	41.5	41.6	42.7	14.61	14.59	14.28
Blast furnace and basic steel products	644.93	660.78	631.80	46.7	47.3	45.0	13.81	13.97	14.04
Fabricated metal products	544.99	540.47	565.82	41.1	41.1	42.1	13.26	13.15	13.44
Machinery, except electrical	492.06	486.49	480.90	42.9	42.6	42.0	11.47	11.42	11.45
Electric and electronic equipment	452.47	451.67	417.79	40.8	40.4	38.9	11.09	11.18	10.74
Transportation equipment	623.66	621.78	732.89	42.6	42.5	48.6	14.64	14.63	15.08
Nondurable Goods[f]	403.12	399.50	395.35	39.1	38.9	40.8	10.31	10.27	9.69
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	542.70	538.56	524.83	39.7	39.6	39.7	13.67	13.60	13.22
WHOLESALE TRADE	347.22	351.66	335.54	37.7	38.1	38.0	9.21	9.23	8.83
RETAIL TRADE[h]	173.69	171.60	169.65	28.9	28.6	29.0	6.01	6.00	5.85

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1988	February 1988	March 1987
Employment Service Program			
New Applicants	2,338	2,048	1,890
Active File of Job Seekers	17,773	16,911	22,494
Referrals to Jobs	1,058	1,364	936
Placements	224	247	258
Job Openings Received	489	500	381
Job Openings Unfilled	749	599	483
Unemployment Insurance Program			
Initial Claims	3,051	4,013	4,633
Continued Claims	26,928	27,137	31,748
First Payments	1,432	1,868	1,310
Last Payments	270	276	372
Weeks Compensated	25,066	23,857	26,656
Benefits Paid	$3,700,081	$3,525,554	$3,829,305
Average Weekly Payment	$150.72	$150.60	$147.73

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\begin{array}{c}\text{Total Employment}\\\text{(current month)}\end{array} = \begin{array}{c}\text{Total Employment}\\\text{(previous month)}\end{array} \times \frac{\begin{array}{c}\text{Sample Employment}\\\text{(current month)}\end{array}}{\begin{array}{c}\text{Sample Employment}\\\text{(previous month)}\end{array}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	March 1988	February 1988	March 1987
New Applicants	40,729	38,003	44,080
Active File of Job Seekers	297,532	292,815	345,468
Counseling Interviews	1,410	1,084	1,758
Tests Administered	4,432	4,169	4,208
General Aptitude Tests	380	348	560
Proficiency Tests	456	413	528
Specific Aptitude Tests	1,063	1,110	952
Referrals to Jobs	25,632	20,640	24,404
Placements	5,521	4,802	4,837
Job Openings Received	12,420	9,454	12,372
Job Openings Unfilled	19,562	16,919	20,544

Selected Unemployment Insurance Activities

	March 1988	February 1988	March 1987
Initial Claims	46,787	56,872	58,948
Continued Claims	587,43[illegible]	577,761	599,081
First Payments	26,894	37,532	24,497
Last Payments	8,581	5,717	7,375
Average Weekly Claimants	126,378	135,868	136,208
Average Weekly Benefit Recipients	114,848	119,232	121,596
Weeks Compensated	530,537	476,928	492,489
Benefits Paid	$81,677,838	$73,408,382	$73,150,826
Average Weekly Payment	$156.95	$156.82	$151.73
Continued Claims for Survey Week	126,347	140,204	136,453
Insured Unemployment Rate	2.9	3.2	3.2
Net Contributions	$4,530,769	$76,085,364	$3,920,243
Active Employer Accounts	199,798	197,625	196,049

Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

Labor Market Review

April 1988

Summary. The seasonally adjusted unemployment rate in Ohio was 6.3 percent in April, down from 7.7 percent in March. The U.S. rate declined slightly, from 5.6 percent in March to 5.4 percent in April. Ohio's civilian labor force fell 92,000, to 5,277,000. There were 79,000 fewer jobless Ohioans in April. Seasonally adjusted nonfarm wage and salary employment rose 2,000 from March, to 4,669,000 in April. (See page 3.)

Factory Employment. Settlement of a labor-management dispute in durable-goods industries helped raise Ohio's manufacturing employment 4,000, to 1,100,000 in April. Durable goods, at 737,000, increased 5,000, while nondurable-goods employment slipped 1,000, to 363,000.

Nonmanufacturing. Seasonally adjusted nonmanufacturing employment in Ohio totaled 3,569,000 in April, down 2,000 from March. Retail trade fell 3,000 and construction declined 2,000. These losses were partially offset by small increases in transportation and public utilities, finance, insurance, and real estate, and services.

Over the Year. From April 1987 to April 1988, Ohio's unemployment rate dropped from 7.3 percent to 6.3 percent. Total employment increased 91,000 while the number of unemployed workers fell 50,000. The national unemployment rate declined from 6.3 percent to 5.4 percent over the year. Nonagricultural payroll employment was 117,000 above the April 1987 level. Employment in services rose 45,000, retail trade increased 27,000, and construction was up 18,000. All other nonmanufacturing divisions had increased employment except mining, which was 1,000 lower. Manufacturing employment advanced 4,000 from April 1987, due to gains in nondurable-goods industries.

Factory Hours and Earnings. The average weekly earnings of production workers in Ohio's manufacturing industries increased $11.57 from March, to an all-time high of $520.13 in April. Their average workweek of 43.2 hours was .5 hours longer. Nearly every industry had higher earnings in April due to more overtime and wage-rate increases. The most significant were motor vehicles and equipment, miscellaneous plastics products, nonferrous rolling and drawing, and metal forgings and stampings.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 38,395 in April, down 17.9 percent from March, and down 30.0 percent from April 1987. Total benefits paid declined 30.1 percent, to $57.1 million. The average benefit check of $155.71 was $1.24 lower. The average weekly number of benefit recipients fell 22.3 percent, to 89,215. At the end of April, there were 200,411 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Grace Kilbane, Acting Administrator

Employment Service. The Ohio Bureau of Employment Services helped 34,539 new job applicants in April, down 15.2 percent from March, and down 18.9 percent from April 1987. The number of job openings, at 13,022, was up 4.8 percent. The Employment Services Division made 24,512 job referrals and 5,565 placements.

JOB TRAINING PARTNERSHIP AND YOUR BUSINESS

JTP-Ohio is a state job training program under the Job Training Partnership Act (JTPA). The federal law, JTPA, provides states with funds to help youths and adults who are unemployed, dislocated, or have other barriers to employment, train for jobs and become employed.

There are three basic program classifications under JTPA.
* Training and retraining for economically disadvantaged youths and adults are created under Title II-A.
* Summer employment programs for youths are authorized under Title II-B.
* Programs to serve dislocated workers whose jobs are lost through plant closings, permanent layoffs, or other causes beyond their control, are authorized under Title III.

For further information about JTP-Ohio, contact your local Ohio Bureau of Employment Services office, JTPA office, Private Industry Council or the state JTP-Ohio office at (614) 466-3817.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Apr. 1988	Mar. 1988	Apr. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,277	5,369	5,236	-92	41	-1.7	0.8
Employment	4,945	4,958	4,854	-13	91	-0.3	1.9
Unemployment	332	411	382	-79	-50	-19.2	-13.1
Unemployment Rate	6.3	7.7	7.3				
Employer Survey Data[e]							
Total	4,669	4,667	4,552	2	117	0.0	2.6
Manufacturing	1,100	1,096	1,096	4	4	0.4	0.4
Durable Goods	737	732	738	5	-1	0.7	-0.2
Nondurable Goods	363	364	357	-1	6	-0.2	1.6
Nonmanufacturing	3,569	3,572	3,457	-2	113	-0.1	3.3
Mining	20	20	21	0	-1	0.5	-4.7
Construction	191	192	173	-2	18	-0.9	10.3
Transportation and Public Utilities	209	208	206	1	3	0.3	1.3
Wholesale Trade	254	254	247	0	7	0.2	3.0
Retail Trade	867	870	841	-3	27	-0.3	3.2
Finance, Insurance, and Real Estate	250	249	241	1	9	0.4	3.8
Services	1,085	1,084	1,040	1	45	0.1	4.3
Government	693	694	687	-1	6	-0.1	0.8
Goods Producing Industries[f]	1,311	1,308	1,290	3	21	0.2	1.6
Service Producing Industries[g]	3,358	3,359	3,262	-1	96	-0.0	2.9

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
					1986				
5,243	4,816	427	8.1	7.1	April	4,458	1,117	760	357
5,180	4,773	407	7.9	7.2	May	4,463	1,112	755	356
5,197	4,746	451	8.7	7.1	June	4,464	1,112	755	357
5,200	4,777	423	8.1	7.0	July	4,472	1,108	751	357
5,194	4,773	421	8.1	6.9	August	4,481	1,107	750	357
5,174	4,737	437	8.4	7.0	September	4,484	1,098	742	356
5,230	4,813	417	8.0	6.9	October	4,495	1,098	740	358
5,265	4,868	397	7.5	6.9	November	4,509	1,102	744	358
5,275	4,854	421	8.0	6.7	December	4,521	1,103	745	357
					1987				
5,276	4,849	427	8.1	6.7	January	4,532	1,096	740	356
5,295	4,850	445	8.4	6.6	February	4,549	1,099	742	357
5,237	4,838	399	7.6	6.5	March	4,552	1,093	737	356
5,236	4,854	382	7.3	6.3	April	4,552	1,096	738	357
5,277	4,884	393	7.4	6.3	May	4,560	1,094	736	357
5,251	4,874	377	7.2	6.1	June	4,568	1,092	735	357
5,252	4,886	366	7.0	6.0	July	4,567	1,082	725	358
5,234	4,873	361	6.9	6.0	August	4,589	1,095	734	360
5,181	4,891	290	5.6	5.9	September	4,597	1,097	737	360
5,215	4,900	315	6.0	6.0	October	4,610	1,097	736	361
5,263	4,945	318	6.0	5.9	November	4,626	1,100	738	362
5,264	4,937	327	6.2	5.8	December	4,639	1,103	739	364
					1988				
5,330	4,983	347	6.5	5.8	January	4,654	1,104	739	366
5,355	5,013	342	6.4	5.7	February	4,665	1,102	737	364
5,369	4,958	411	7.7	5.6	March	4,667	1,096	732	364
5,277	4,945	332	6.3	5.4	April	4,669	1,100	737	363

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1986				
3,342	23	161	203	244	April	813	229	990	677
3,351	23	161	203	244	May	815	231	996	679
3,352	22	160	198	244	June	818	232	998	679
3,364	22	160	204	244	July	820	233	1006	676
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694
3,569	20	191	209	254	April	867	250	1085	693

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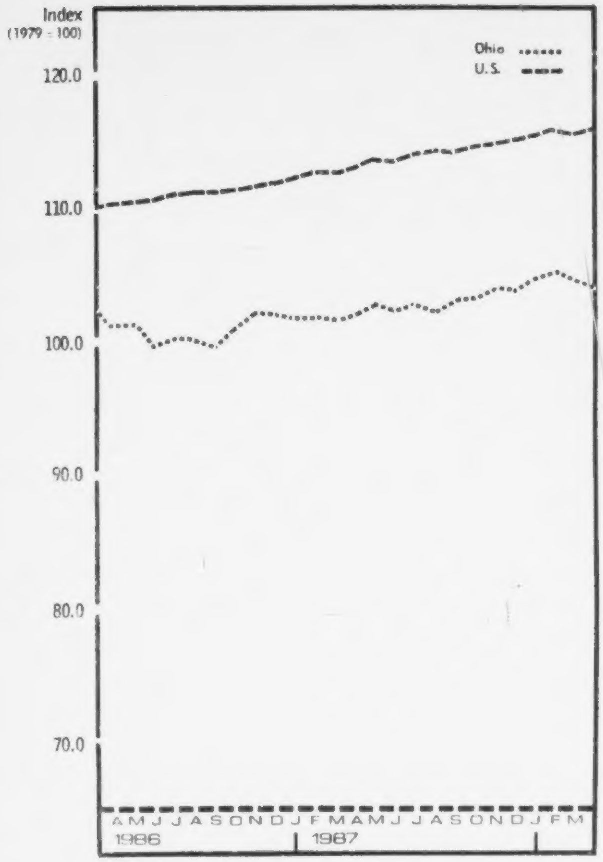
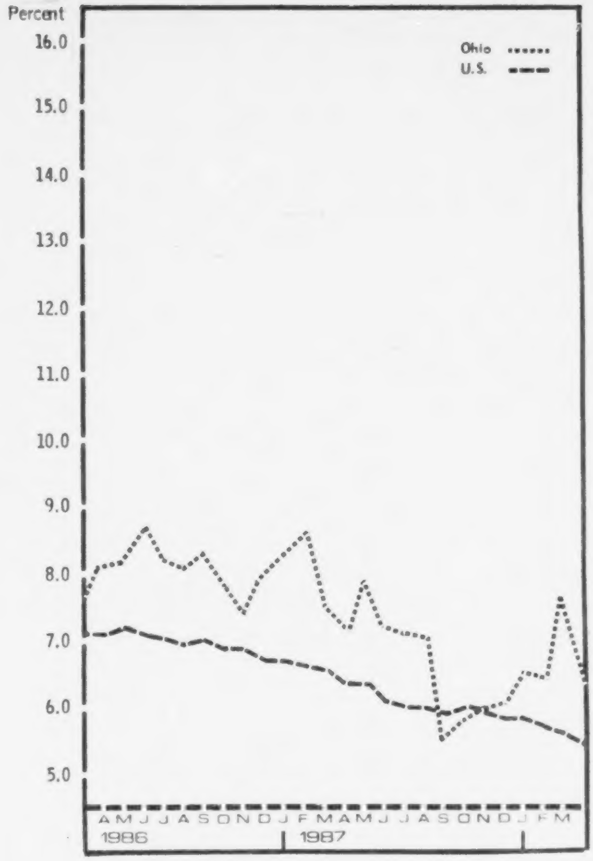
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.

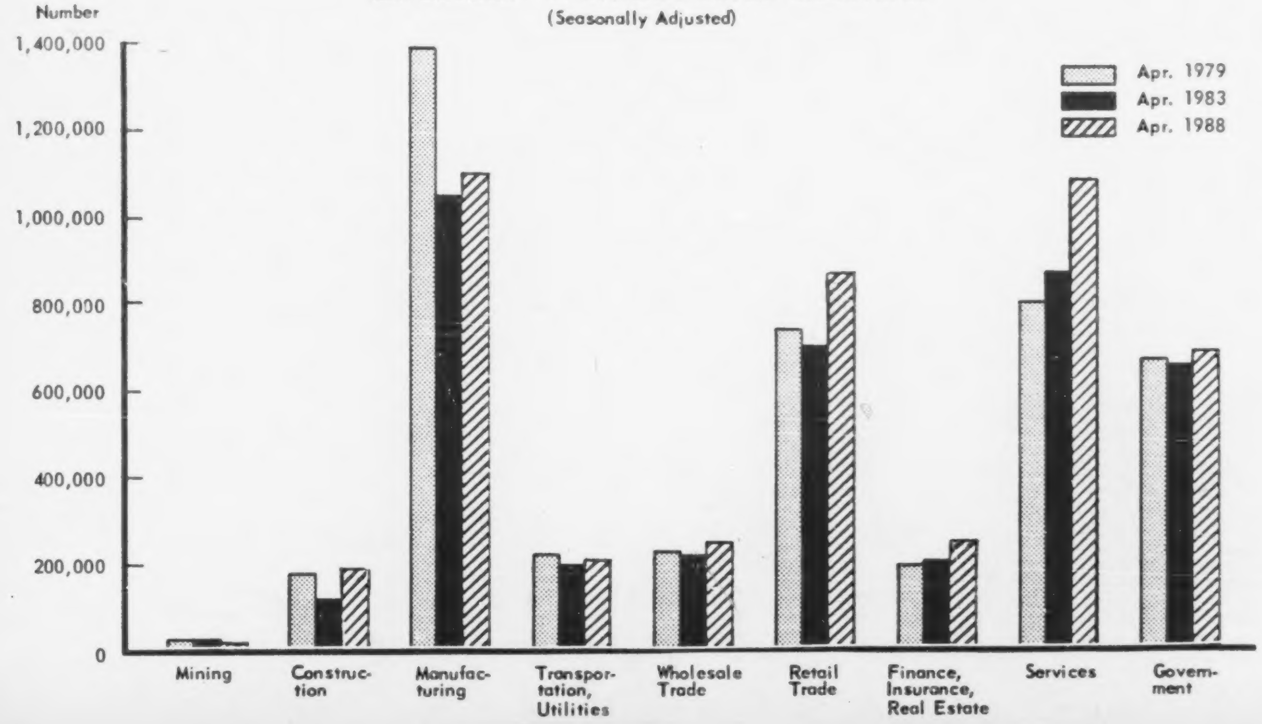
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S. (Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S. (Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

	Civilian Labor Force			Unemployment Rate	
	Total	Employed	Unemployed	Ohio	U.S.
1977	4,833	4,520	312	6.5	7.1
1978	4,959	4,690	268	5.4	6.1
1979	5,059	4,760	299	5.9	5.8
1980	5,089	4,663	426	8.4	7.1
1981	5,100	4,608	492	9.6	7.6
1982	5,114	4,474	640	12.5	9.7
1983	5,099	4,478	621	12.2	9.6
1984	5,089	4,609	480	9.4	7.5
1985	5,135	4,680	455	8.9	7.2
1986	5,231	4,806	425	8.1	7.0
1987	5,248	4,881	367	7.0	6.2
1987					
April	5,215	4,847	368	7.1	6.2
May	5,275	4,903	372	7.1	6.1
June	5,307	4,922	385	7.3	6.3
July	5,341	4,982	359	6.7	6.1
August	5,289	4,924	365	6.9	5.8
September	5,190	4,903	288	5.5	5.7
October	5,243	4,940	302	5.8	5.7
November	5,285	4,980	305	5.8	5.6
December	5,259	4,937	322	6.1	5.4
1988					
January	5,258	4,883	375	7.1	6.3
February	5,279	4,905	374	7.1	6.2
March	5,295	4,879	416	7.9	5.9
April	5,257	4,941	316	6.0	5.3

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing		
			Durable	Nondurable
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,471.4	1,109.8	752.7	357.1
1987	4,578.9	1,095.3	736.4	358.9
1987				
April	4,539.2	1,093.1	738.4	354.6
May	4,591.6	1,094.9	738.7	356.2
June	4,611.6	1,097.6	739.1	358.5
July	4,572.3	1,084.3	725.5	358.8
August	4,591.0	1,097.5	733.6	363.9
September	4,641.3	1,108.3	742.1	366.2
October	4,658.8	1,099.8	736.4	363.4
November	4,674.2	1,103.7	740.2	363.6
December	4,676.9	1,102.9	738.6	364.3
1988				
January	4,565.8	1,094.5	732.6	361.9
February	4,568.8	1,092.4	732.3	360.1
March	4,595.8	1,088.8	729.0	359.7
April	4,655.8	1,098.1	737.7	360.4

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

	Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade
1977	2,886.0	29.1	162.8	219.1	214.6
1978	3,017.7	29.0	176.6	225.0	226.0
1979	3,102.5	31.6	182.9	232.1	232.8
1980	3,103.0	30.7	167.4	223.1	230.6
1981	3,085.1	30.7	153.7	217.2	232.5
1982	3,024.4	30.3	134.6	206.8	226.0
1983	3,026.5	26.6	130.8	198.5	222.5
1984	3,133.1	27.8	144.8	203.9	236.7
1985	3,248.6	26.1	154.0	202.7	243.7
1986	3,361.6	22.6	160.7	203.4	244.3
1987	3,483.6	20.9	177.0	206.9	248.7
1987					
April	3,446.2	20.7	162.2	204.8	246.2
May	3,496.7	20.7	175.4	207.0	248.2
June	3,514.0	21.1	184.4	208.5	250.4
July	3,488.0	21.1	192.7	208.6	250.6
August	3,493.5	21.1	196.8	209.1	251.1
September	3,533.0	21.4	196.4	209.3	251.2
October	3,559.0	20.7	198.6	210.0	252.4
November	3,570.4	20.8	192.7	209.6	252.2
December	3,573.9	20.5	182.9	209.6	252.8
1988					
January	3,471.3	20.1	163.5	203.3	250.9
February	3,476.4	19.7	158.9	202.3	250.8
March	3,507.1	19.5	165.5	204.5	251.6
April	3,557.7	19.7	178.9	207.4	253.6

	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1977	703.2	183.4	731.4	642.3
1978	730.4	191.1	772.1	667.5
1979	742.4	200.6	806.2	674.0
1980	726.6	203.8	830.9	689.9
1981	717.7	205.8	851.6	676.0
1982	703.4	206.4	857.3	659.6
1983	711.0	207.8	873.3	656.1
1984	748.0	211.5	905.2	655.2
1985	787.9	219.3	949.5	665.2
1986	818.6	232.3	1,001.0	678.9
1987	847.7	243.1	1,051.2	688.1
1987				
April	830.8	240.0	1,041.3	700.2
May	845.8	241.8	1,053.7	704.2
June	851.5	244.7	1,065.9	687.5
July	852.8	246.8	1,068.2	647.1
August	858.1	247.2	1,068.6	641.4
September	861.1	246.1	1,074.7	672.7
October	862.3	245.7	1,070.4	698.9
November	873.9	246.2	1,067.5	707.6
December	887.8	246.7	1,064.7	708.9
1988				
January	846.2	245.9	1,047.8	693.6
February	838.0	246.4	1,056.5	703.7
March	843.1	247.1	1,066.9	708.9
April	857.1	249.1	1,086.1	705.8

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio[a]

Manufacturing Employment (in thousands)				Production Workers in Manufacturing		
Manufacturing	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,344.1	945.2	398.9	1977	958.0	$271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,093.1	738.4	354.6	April	746.8	368.2	31.4
1,094.9	738.7	356.2	May	747.3	371.9	31.8
1,097.6	739.1	358.5	June	748.3	373.0	31.9
1,084.3	725.5	358.8	July	735.3	356.7	30.8
1,097.5	733.6	363.9	August	749.2	368.9	31.7
1,108.3	742.1	366.2	September	760.8	380.5	32.4
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,092.4	732.3	360.1	February	748.5	376.4	31.7
1,088.8	729.0	359.7	March	744.5	378.6	31.8
1,098.1	737.7	360.4	April	752.9	391.6	32.5

Production Workers Average Weekly Earnings				Production Workers Average Weekly Hours				Production Workers Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$283.08	$292.02	$258.34	1977	42.0	42.2	41.4	1977	$6.74	$6.92	$6.24
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
			1987				1987			
492.99	514.25	443.72	April	42.1	42.5	41.2	April	11.71	12.10	10.77
497.68	517.45	450.78	May	42.5	42.8	41.7	May	11.71	12.09	10.81
498.42	517.37	453.95	June	42.6	42.9	41.8	June	11.70	12.06	10.86
485.20	501.76	450.02	July	41.9	42.2	41.4	July	11.58	11.89	10.87
492.37	510.00	453.36	August	42.3	42.5	41.9	August	11.64	12.00	10.82
500.12	516.67	461.92	September	42.6	42.7	42.3	September	11.74	12.10	10.92
504.50	524.02	461.07	October	42.9	43.2	42.3	October	11.76	12.13	10.90
511.49	531.57	466.90	November	43.2	43.5	42.6	November	11.84	12.22	10.96
512.67	532.36	469.27	December	43.3	43.6	42.7	December	11.84	12.21	10.99
			1988				1988			
507.61	527.11	464.45	January	42.8	43.1	42.3	January	11.86	12.23	10.98
502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92
508.56	530.56	460.74	March	42.7	43.1	42.0	March	11.91	12.31	10.97
520.13	542.01	468.52	April	43.2	43.5	42.4	April	12.04	12.46	11.05

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[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

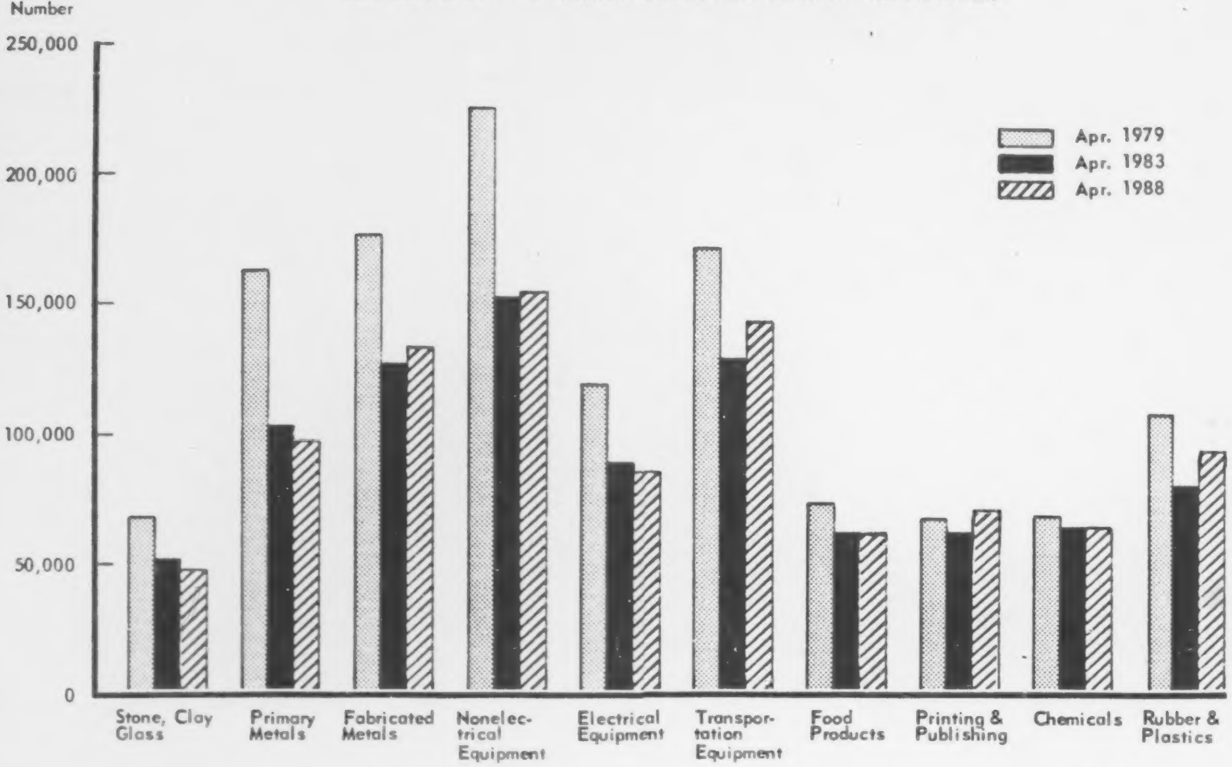
	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	82.7
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	90.8
1985	50.4	101.8	139.5	166.2	90.7	151.2	62.9	66.8	91.4
1986	49.5	95.4	136.5	158.6	89.1	153.9	63.0	68.4	92.7
1987	48.0	95.4	133.4	154.4	86.3	148.0	63.4	70.2	92.9
1987									
April	47.7	94.8	133.0	154.3	86.0	152.6	61 8	69.5	92.1
May	48.1	94.3	133.2	155.0	85.9	151.8	62.2	69.7	93.1
June	48.7	95.0	134.4	155.7	85.8	148.5	62.9	69.8	92.5
July	48.1	93.5	131.6	153.4	85.9	142.1	63.4	70.6	91.6
August	48.5	95.3	132.8	153.8	85.4	145.6	67.1	70.9	92.4
September	48.5	97.2	134.5	155.2	86.4	147.4	67.7	70.8	93.4
October	48.2	97.5	134.1	153.9	85.4	144.4	64.0	71.1	94.2
November	48.3	98.2	135.0	154.4	86.2	145.3	63.1	71.6	94.7
December	48.1	98.0	134.8	155.1	86.3	144.2	63.8	71.7	94.5
1988									
January	46.8	97.5	133.0	154.8	85.9	143.1	62.9	70.9	94.1
February	46.5	97.6	133.1	154.8	85.9	142.4	62.0	70.8	93.8
March	47.2	98.5	133.7	155.4	85.4	136.3	62.0	71.1	93.4
April	47.8	98.5	134.4	155.9	85.3	142.3	62.1	70.7	94.0

Average Weekly Earnings of Production Workers

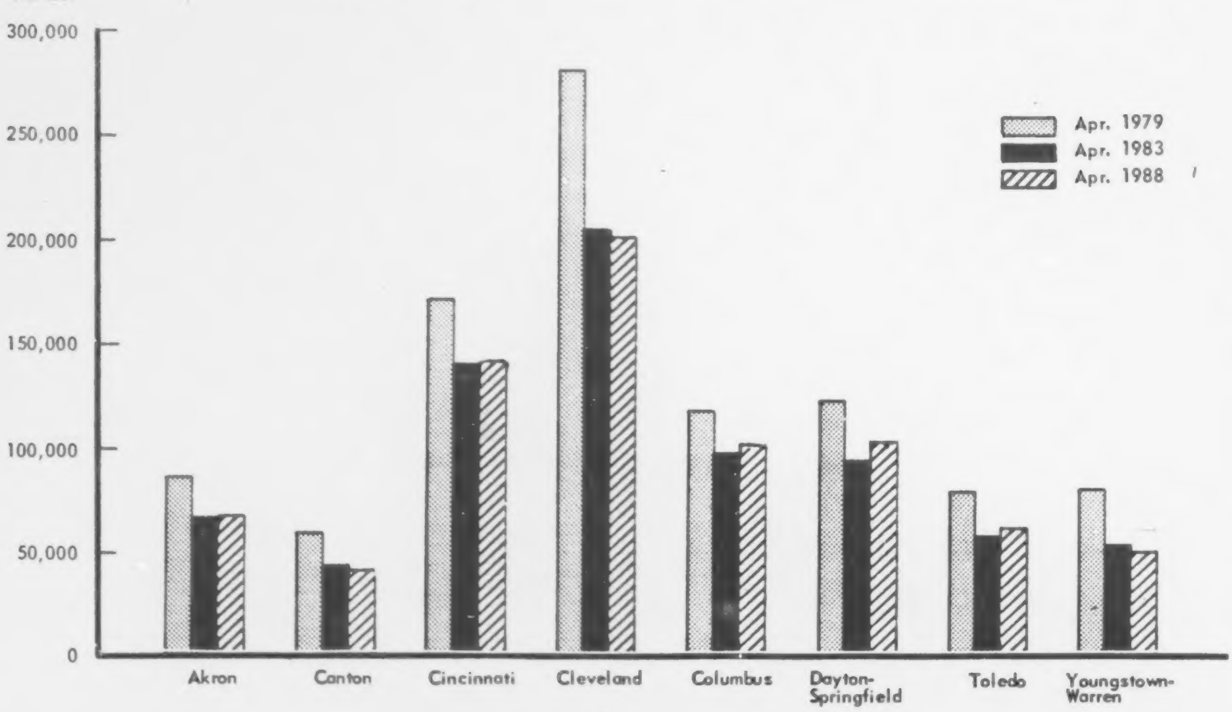
	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1977	$253.95	$329.54	$290.44	$279.18	$248.44	$359.20	$258.54	$271.96	$263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.30	419.99
1985	434.30	548 83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1986	443.81	559.93	494.91	485.18	459.80	632.06	416.83	410.70	438.96
1987	449.82	602.53	500.12	502.36	463.01	638.13	440.34	429.00	441.34
1987									
April	447.68	595.35	491.82	495.33	461.61	630.08	430.56	414.02	431.38
May	457.52	594.49	495.33	497.14	463.14	634.04	440.11	418.88	435.27
June	453.46	599.86	501.50	505.36	457.32	628.65	445.79	422.28	441.58
July	446.42	597.64	473.20	494.89	449.21	604.07	434.92	420.81	436.60
August	440.96	603.90	484.26	489.41	458.43	628.00	435.11	432.06	443.65
September	460.31	630.20	484.88	489.41	452.08	634.36	453.64	446.24	437.38
October	451.76	601.12	503.43	510.85	466.07	652.50	432.22	442.18	453.44
November	457.53	614.66	511.06	521.70	475.58	653.43	444.15	446.00	454.31
December	451.76	611.52	514.65	520.68	476.27	656.37	455.80	450.64	451.44
1988									
January	448.56	614.21	506.11	507.17	480.80	649.28	450.93	434.17	448.59
February	453.90	610.54	508.89	511.81	477.57	640.41	438.19	433.83	441.44
March	464.61	611.88	509.41	518.52	470.82	663.00	445.12	447.08	440.41
April	462.24	637.03	526.88	528.23	477.57	668.49	446.84	438.98	459.90

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1988[b]	March 1988[c]	April 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3557.7	3507.1	3446.2	50.7	111.6
MINING	19.7	19.5	20.7	.2	- .9
Bituminous coal and lignite mining	8.5	8.5	9.4	.0	- .9
Oil and gas extraction	6.5	6.8	6.7	- .3	- .2
CONSTRUCTION	178.9	165.5	162.2	13.5	16.7
General building contractors	45.4	43.1	41.3	2.3	4.2
Heavy construction contractors	22.4	18.4	20.0	3.9	2.3
Highway and street construction	9.4	6.9	7.8	2.6	1.6
Special trade contractors	111.1	103.9	100.9	7.2	10.2
TRANSPORTATION AND PUBLIC UTILITIES	207.4	204.5	204.8	2.9	2.6
Railroad transportation	13.4	12.8	14.1	.6	- 7
Transportation, except railroads	105.1	102.8	101.6	2.3	3.5
Trucking and warehousing	72.4	71.7	70.4	.7	2.0
Communication, electric, gas services	88.9	88.9	89.1	.0	- .2
Communication	47.4	47.4	47.2	.0	.2
Electric, gas, and sanitary services	41.5	41.4	41.9	.1	- .4
WHOLESALE TRADE	253.6	251.6	246.2	2.0	7.4
Wholesale trade-durable goods	159.1	158.0	154.8	1.1	4.3
Motor vehicles & automotive equipment	22.1	21.9	21.6	.2	.5
Electrical goods	19.5	19.6	19.2	- .1	.3
Machinery, equipment, and supplies	68.1	67.7	66.6	.4	1.5
Wholesale trade-nondurable goods	94.5	93.6	91.4	.9	3.1
Groceries and related products	29.4	29.3	28.4	.1	1.0
RETAIL TRADE	857.1	843.1	830.8	14.0	26.2
General merchandise stores	115.6	115.7	114.5	- .1	1.0
Department stores	100.6	100.4	100.3	.1	.3
Food stores	131.6	130.5	129.3	1.1	2.4
Automotive dealers & service stations	95.2	94.0	91.8	1.2	3.5
Apparel and accessory stores	42.5	42.2	40.4	.3	2.1
Eating and drinking places	302.7	293.8	293.9	8.8	8.8
FINANCE, INSURANCE, AND REAL ESTATE	249.1	247.1	240.0	2.0	9.1
Banking	63.8	63.7	62.4	.1	1.4
Credit agencies other than banks	38.2	37.9	37.1	.3	1.2
Insurance carriers	69.1	69.0	67.3	.1	1.8
Life insurance	25.7	25.7	25.7	.0	.0
Fire, marine, and casualty insurance	30.7	30.6	29.5	.1	1.2
SERVICES	1086.1	1066.9	1041.3	19.2	44.8
Hotels and other lodging places	34.5	33.2	33.5	1.3	1.0
Personal services	60.1	59.5	58.3	.6	1.8
Laundry, cleaning, & garment services	19.0	18.8	18.6	.2	.4
Business services	218.4	215.3	204.4	3.1	14.0
Services to buildings	30.8	30.4	28.9	.4	1.9
Computer and data processing services	20.1	20.1	18.2	.0	1.9
Amusement and recreation services	39.3	31.4	38.2	7.9	1.1
Health services	367.6	366.6	356.2	1.0	11.5
Nursing and personal care facilities	81.4	80.8	78.7	.6	2.8
Hospitals	178.4	178.5	175.0	.0	3.4
Educational services	65.5	65.6	64.4	- .2	1.0
Colleges and universities	35.7	36.0	35.7	- .3	.1
GOVERNMENT	705.8	708.9	700.2	- 3.1	5.6
Federal government	94.8	94.9	94.7	- .1	.1
State government	162.4	162.6	159.2	- .2	3.3
State government education[1]	87.1	88.2	84.9	- 1.1	2.2
State government, except education	75.3	74.4	74.2	.9	1.0
Local government	448.6	451.4	446.3	- 2.8	2.3
Local government education	265.0	268.6	263.6	- 3.7	1.3
Local government, except education	183.6	182.7	182.7	.9	1.0

See footnotes on page 13.

Ohio

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]
MANUFACTURING	$520.13	$508.56	$492.99	43.2	42.7	42.1	$12.04	$11.91	$11.71
Durable Goods[e]	542.01	530.56	514.25	43.5	43.1	42.5	12.46	12.31	12.10
Lumber and wood products	313.05	304.91	303.78	41.3	40.6	41.5	7.58	7.51	7.32
Furniture and fixtures	356.09	361.34	338.30	40.1	40.6	39.8	8.88	8.90	8.50
Stone, clay, and glass products	462.24	464.61	447.68	42.8	42.9	41.8	10.80	10.83	10.71
Glass and glassware, pressed or blown.	501.62	490.79	455.94	42.8	42.2	40.1	11.72	11.63	11.37
Primary metal industries	637.03	611.88	595.35	45.6	44.5	44.1	13.97	13.75	13.50
Blast furnace and basic steel products	656.04	646.20	617.26	46.2	45.7	44.6	14.20	14.14	13.84
Iron and steel foundries	672.98	634.57	639.13	46.0	44.5	45.2	14.63	14.26	14.14
Nonferrous rolling and drawing	659.82	590.19	584.36	43.9	40.9	41.8	15.03	14.43	13.98
Fabricated metal products	526.88	509.41	491.82	43.4	42.7	42.0	12.14	11.93	11.71
Cutlery, hand tools, and hardware	498.13	474.61	475.60	41.1	40.6	40.0	12.12	11.69	11.89
Fabricated structural metal products	454.44	437.38	436.17	42.0	40.8	41.5	10.82	10.72	10.51
Metal forgings and stampings	663.11	638.13	611.71	45.7	44.5	43.6	14.51	14.34	14.03
Machinery, except electrical	528.23	518.52	495.33	43.8	43.5	42.3	12.06	11.92	11.71
Construction and related machinery	414.33	421.27	418.37	40.7	40.9	41.3	10.18	10.30	10.13
Metalworking machinery	501.42	497.20	463.56	44.1	44.0	41.8	11.37	11.30	11.09
Special industry machinery	499.32	491.55	478.27	43.8	43.5	42.4	11.40	11.30	11.28
General industrial machinery	559.63	530.19	499.66	44.1	43.0	41.5	12.69	12.33	12.04
Office and computing machines	423.05	423.11	420.48	40.6	41.4	43.8	10.42	10.22	9.60
Refrigeration and service machinery	613.99	608.90	556.28	43.3	43.4	41.7	14.18	14.03	13.34
Electric and electronic equipment	477.57	470.82	461.61	42.3	42.0	41.4	11.29	11.21	11.15
Electrical industrial apparatus	494.36	493.04	451.41	44.1	44.1	41.0	11.21	11.18	11.01
Household appliances	490.44	477.60	470.66	40.7	39.9	40.4	12.05	11.97	11.65
Electric lighting and wiring equipment	491.21	476.82	491.63	42.2	41.9	42.2	11.64	11.38	11.65
Communication equipment	495.75	488.80	510.18	41.8	41.6	42.8	11.86	11.75	11.92
Transportation equipment	668.49	663.00	630.08	44.3	44.2	44.0	15.09	15.00	14.32
Motor vehicles and equipment	711.87	688.86	650.76	45.4	44.5	44.0	15.68	15.48	14.79
Aircraft and parts	547.24	581.16	570.71	40.9	43.5	43.4	13.38	13.36	13.15
Instruments and related products	358.81	367.08	365.20	39.3	39.9	40.0	9.13	9.20	9.13
Measuring and controlling devices	354.43	367.46	369.33	38.4	39.3	39.0	9.23	9.35	9.47
Nondurable Goods[f]	468.52	460.74	443.72	42.4	42.0	41.2	11.05	10.97	10.77
Food and kindred products	446.84	445.12	430.56	41.8	41.6	41.6	10.69	10.70	10.35
Meat products	355.71	381.41	373.38	39.7	41.1	42.0	8.96	9.28	8.89
Dairy products	459.00	473.24	473.71	42.5	43.1	43.7	10.80	10.98	10.84
Preserved fruits and vegetables	495.50	441.29	408.60	43.2	39.9	39.1	11.47	11.06	10.45
Bakery products	462.17	464.90	466.50	39.2	39.6	39.4	11.79	11.74	11.84
Beverages	429.45	422.01	416.33	40.9	40.5	41.8	10.50	10.42	9.96
Apparel and other textile products	298.00	301.15	271.88	40.0	40.1	37.5	7.45	7.51	7.25
Paper and allied products	504.23	486.18	494.83	44.9	43.8	44.7	11.23	11.10	11.07
Misc. converted paper products	442.09	426.00	436.00	43.3	42.9	43.6	10.21	9.93	10.00
Paperboard containers and boxes	440.06	427.55	432.86	43.7	42.5	42.9	10.07	10.06	10.09
Printing and publishing	438.98	447.08	414.02	39.3	39.6	38.3	11.17	11.29	10.81
Newspapers	374.13	365.33	359.82	34.9	34.4	34.9	10.72	10.62	10.31
Commercial printing	436.86	460.24	404.24	40.6	41.5	39.4	10.76	11.09	10.26
Chemicals and allied products	550.32	546.54	530.04	42.3	42.4	41.9	13.01	12.89	12.65
Industrial inorganic chemicals	594.44	589.47	583.94	44.0	43.6	43.0	13.51	13.52	13.58
Rubber and misc. plastics products	459.90	440.41	431.38	43.8	42.8	41.8	10.50	10.29	10.32
Tires and inner tubes	680.61	676.91	644.49	46.3	46.3	46.2	14.70	14.62	13.95
Miscellaneous plastics products	445.59	421.03	414.24	43.6	42.4	41.3	10.22	9.93	10.03

See footnotes on page 13.

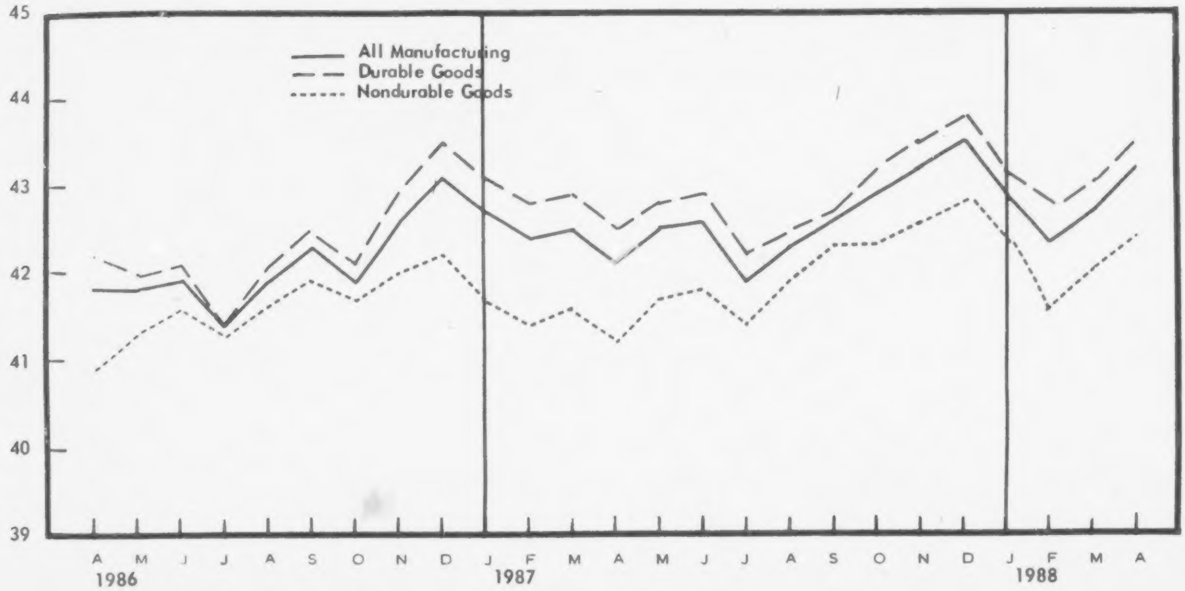
Ohio (continued)

Hours & Earnings of Production or Nonsupervisory Workers[a]

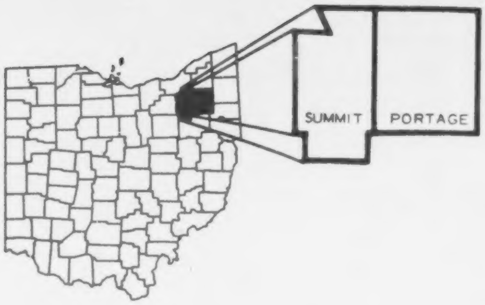
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]
MINING	$544.78	$538.04	$527.03	43.1	42.6	42.4	$12.64	$12.63	$12.43
Bituminous coal and lignite mining	660.40	662.54	633.54	42.8	42.8	41.3	15.43	15.48	15.34
CONSTRUCTION	563.78	559.85	538.61	38.3	37.7	37.3	14.72	14.85	14.44
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	561.82	564.67	552.90	40.8	40.8	41.2	13.77	13.84	13.42
Communication	536.90	537.30	549.61	39.8	39.8	41.2	13.49	13.50	13.34
Electric, gas, and sanitary services	590.37	596.24	555.67	41.9	41.9	41.1	14.09	14.23	13.52
WHOLESALE TRADE	386.10	385.32	369.38	39.0	39.0	38.8	9.90	9.88	9.52
Wholesale trade-durable goods	381.42	378.88	365.66	39.2	39.1	38.9	9.73	9.69	9.40
Wholesale trade-nondurable goods	394.98	394.74	375.19	38.8	38.7	38.6	10.18	10.20	9.72
RETAIL TRADE[h]	165.00	163.82	159.33	28.4	28.1	28.3	5.81	5.83	5.63
General merchandise stores	176.12	172.15	180.54	28.0	27.5	29.5	6.29	6.26	6.12
Department stores	180.76	176.64	185.89	28.2	27.6	29.6	6.41	6.40	6.28
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	266.45	264.66	258.17	....	....	....	.....	.....	.....
Credit agencies other than banks	264.57	258.10	248.76	....	....	....	.....	.....	.....
Insurance carriers	370.73	368.03	341.85	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	336.90	337.62	326.04	32.9	33.1	33.0	10.24	10.20	9.88

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



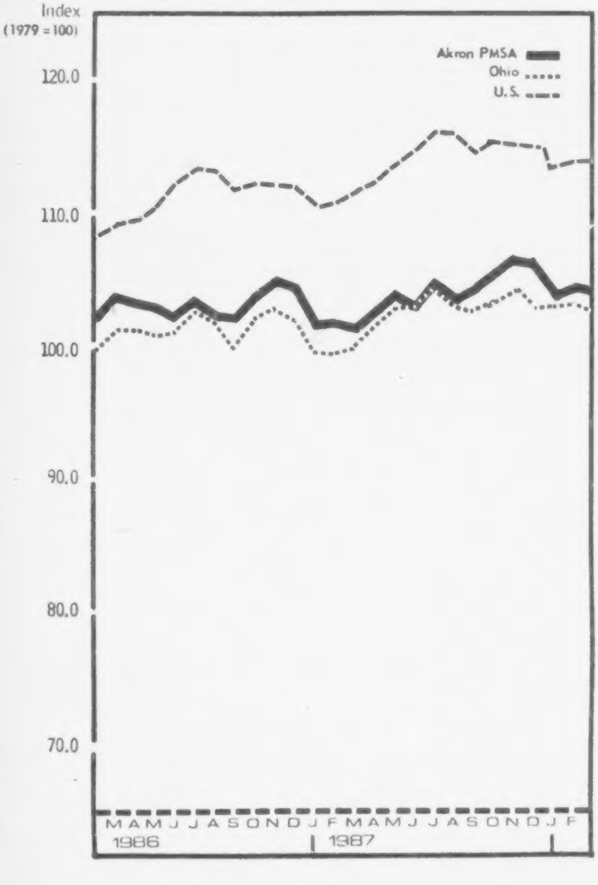
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



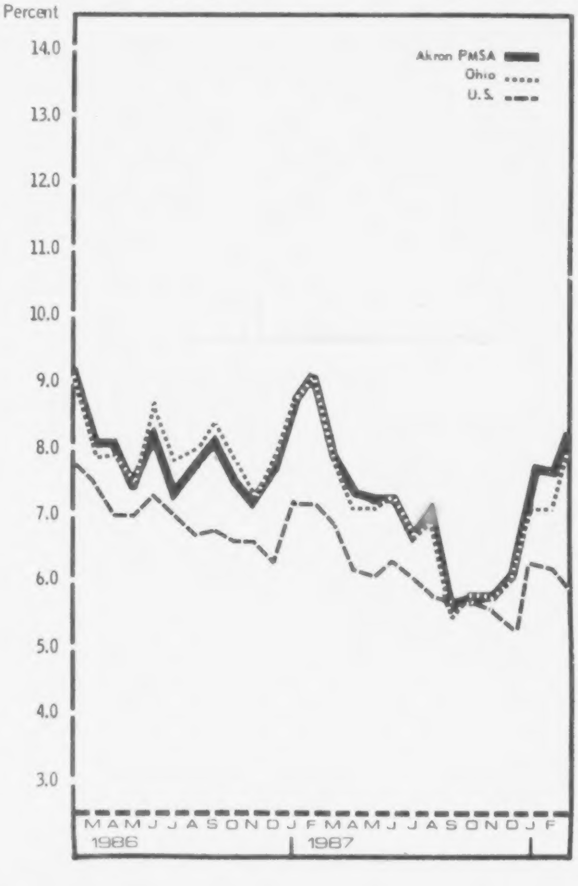
In the Akron metropolitan area, nonfarm payroll employment totaled 270,200 in April, an increase of 2,700 from March 1988. The gain was concentrated in the nonmanufacturing sector due to seasonal growth in services, construction, and retail trade. Manufacturing employment advanced 300 over the month, to 67,000. Modest improvement was noted in rubber and miscellaneous plastics products. Factory production workers earned an average of $11.73 per hour, $.27 more than last month. Their average workweek was .6 hours longer, at 43.8 hours.

Nonagricultural wage and salary employment advanced 7,700 between April 1987 and April 1988. Nonmanufacturing industries provided 88.3 percent of the increase. Major growth sectors were services, state and local schools and colleges, and retail trade. A modest improvement in nonelectrical machinery helped raise manufacturing employment 900 over the year.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



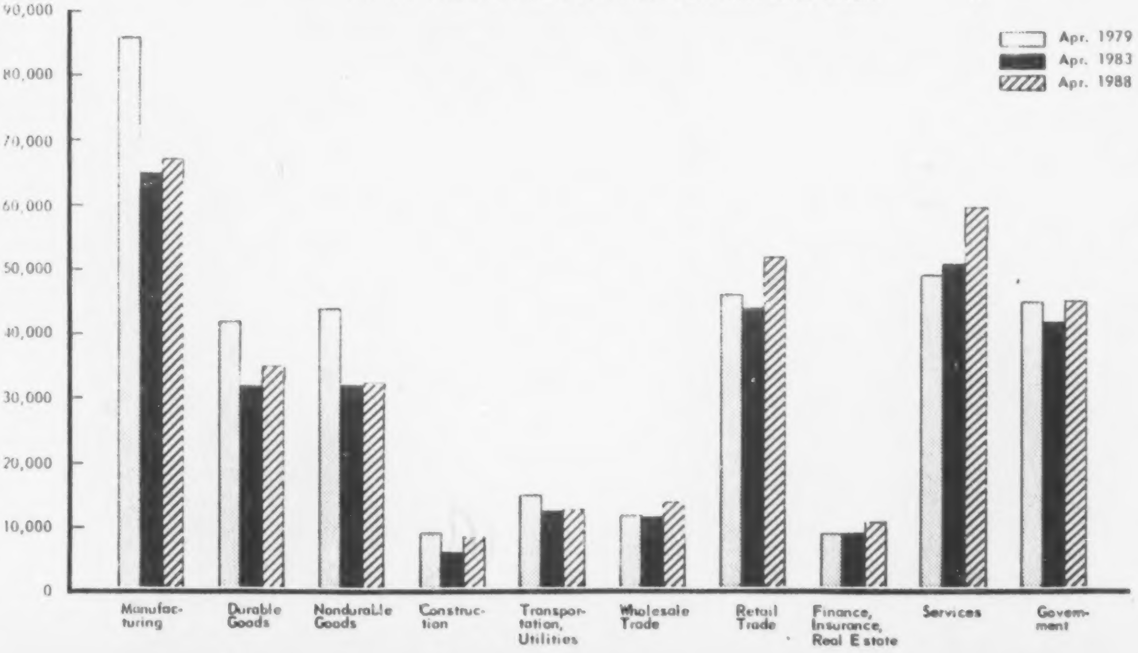
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
315.3	290.2	25.1	8.0	March	260.1	66.0	35.9	483.64	42.8	11.30
318.2	294.7	23.5	7.4	April	262.6	66.1	35.7	483.75	43.0	11.25
321.7	298.3	23.5	7.3	May	265.9	66.1	35.7	487.19	43.0	11.33
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.4	297.9	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
INA	INA	INA	INA	April	270.2	67.0	37.1	513.77	43.8	11.73

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1988[b]	March 1988[c]	April 1987[c]	From Last Month	From Last Year
TOTAL	270.2	267.5	262.6	2.7	7.7
MANUFACTURING	67.0	66.7	66.1	.3	.9
Durable Goods[e]	34.7	34.6	34.1	.1	.5
Fabricated metal products	11.6	11.5	11.5	.1	.1
Machinery, except electrical	9.7	9.6	9.3	.1	.5
Metalworking machinery	3.4	3.4	3.2	.0	.2
Nondurable Goods[f]	32.3	32.2	32.0	.2	.4
Food and kindred products	2.9	2.9	2.9	.0	.1
Chemicals and allied products	3.0	3.0	3.0	.0	.1
Rubber and misc. plastics products	20.9	20.8	20.8	.2	.2
Tires and inner tubes	12.7	12.7	13.1	.0	- .3
NONMANUFACTURING[g]	203.2	200.8	196.4	2.5	6.8
CONSTRUCTION	8.7	7.8	8.2	.8	.5
TRANSPORTATION AND PUBLIC UTILITIES	12.8	12.8	12.8	.0	.0
Communication, electric, gas services	5.3	5.3	5.2	.0	.0
WHOLESALE TRADE	14.2	14.1	13.8	.1	.3
RETAIL TRADE	51.6	51.1	50.6	.6	1.0
General merchandise stores	5.8	5.9	6.1	.0	- .2
FINANCE, INSURANCE, AND REAL ESTATE	10.7	10.7	10.4	.0	.3
Banking	3.3	3.3	3.1	.0	.1
SERVICES	59.7	58.6	56.1	1.2	3.6
Business services	11.5	11.4	10.7	.1	.9
Amusement and recreation services	3.4	2.9	2.9	.5	.5
Health services	20.1	20.1	18.8	.0	1.3
GOVERNMENT	45.0	45.3	43.9	- .3	1.1
State government	16.9	17.0	15.6	- .1	1.3
State government education[1]	13.9	14.0	12.7	- .1	1.2
State government, except education	3.0	3.0	2.9	.0	.1
Local government	25.8	26.0	25.9	- .2	- .2
Local government education	14.9	15.1	14.5	- .1	.5
Local government, except education	10.8	10.9	11.4	- .1	- .6

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

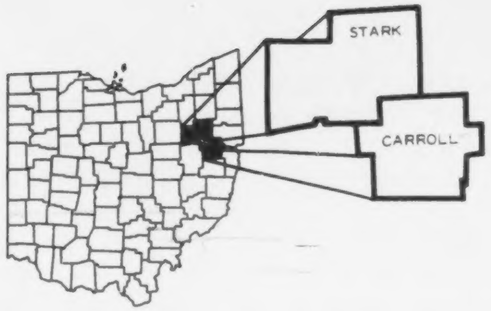
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]
MANUFACTURING	$513.77	$495.07	$483.75	43.8	43.2	43.0	$11.73	$11.46	$11.25
Durable Goods[e]	536.70	510.07	501.70	44.1	43.3	43.4	12.17	11.78	11.56
Fabricated metal products	719.43	648.45	593.28	47.3	45.0	43.4	15.21	14.41	13.67
Machinery, except electrical	457.60	441.81	476.32	44.0	43.7	46.2	10.40	10.11	10.31
Metalworking machinery	478.37	459.24	455.96	45.3	44.5	45.1	10.56	10.32	10.11
Nondurable Goods[f]	480.44	471.90	456.65	43.4	42.9	42.4	11.07	11.00	10.77
Food and kindred products	446.40	462.03	481.57	42.8	42.9	44.1	10.43	10.77	10.92
Chemicals and allied products	487.90	525.25	481.12	42.5	44.4	41.8	11.48	11.83	11.51
Rubber and misc. plastics products	505.11	494.56	483.56	44.7	44.0	44.0	11.30	11.24	10.99
Tires and inner tubes	778.36	783.59	740.84	48.8	49.5	48.9	15.95	15.83	15.15
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	558.90	558.56	561.91	40.5	40.3	41.5	13.80	13.86	13.54
WHOLESALE TRADE	348.30	349.00	329.28	37.9	38.1	38.2	9.19	9.16	8.62
RETAIL TRADE[h]	194.06	194.02	197.82	31.1	30.7	31.5	6.24	6.32	6.28

[a] See Technical for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

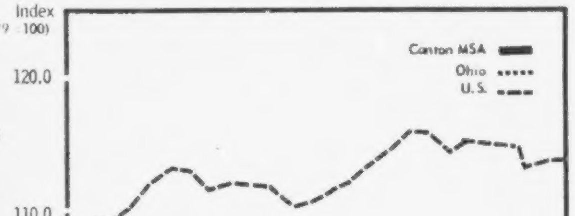
	April 1988	March 1988	April 1987
Employment Service Program			
New Applicants	2,223	2,305	2,428
Active File of Job Seekers	17,652	18,206	20,989
Referrals to Jobs	1,006	1,093	1,256
Placements	347	147	256
Job Openings Received	1,013	660	[illegible],181
Job Openings Unfilled	1,159	803	2,076
Unemployment Insurance Program			
Initial Claims	2,074	2,443	3,109
Continued Claims	26,945	37,517	37,262
First Payments	1,065	1,602	1,338
Last Payments	421	501	524
Weeks Compensated	24,925	33,765	31,956
Benefits Paid	$3,840,322	$5,277,154	$4,798,764
Average Weekly Payment	$157.23	$159.10	$153.63

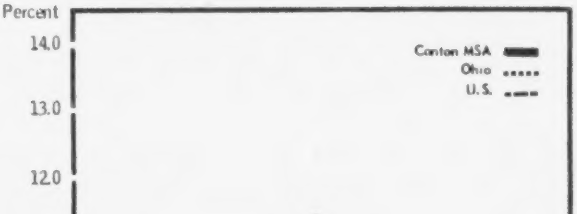
CANTON
METROPOLITAN STATISTICAL AREA



Nonfarm employment in the Canton metropolitan area was 2,400 higher than the March level, totaling 158,400 for April. The increase occurred in nonmanufacturing industries. Seasonal expansion in services, retail trade, and construction contributed 95.8 percent of the total gain. Over the month, the manufacturing workforce lost 100 jobs due to scattered losses in durable-goods industries. Production worker average wages rose $.25 from March, to $11.61 per hour in April. Their average workweek, 43.3 hours, was .3 hours longer.

From April 1987 to April 1988, nonagricultural wage and salary employment advanced 4,100. The major portion of the growth occurred in construction, services, and retail trade. Manufacturing employment declined 100 over the year, to 43,100. Losses in fabricated metal products and food and kindred products negated scattered gains.


INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

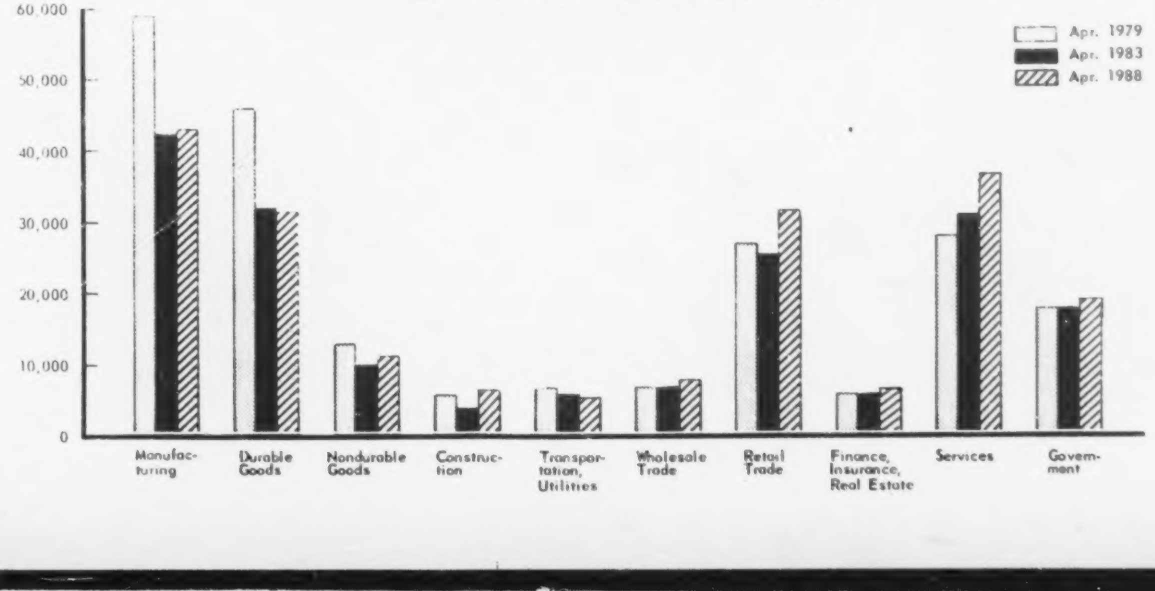

UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
187.7	169.6	18.1	9.7	March	152.8	43.3	30.5	477.12	42.0	11.36
189.1	172.4	16.8	8.9	April	154.3	43.3	30.5	471.03	41.5	11.35
191.2	174.4	16.7	8.7	May	156.3	43.5	30.6	486.35	42.7	11.39
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.0	172.9	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
INA	INA	INA	INA	April	158.4	43.1	30.6	502.71	43.3	11.61

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1988[b]	March 1988[c]	April 1987[c]	From Last Month	From Last Year
TOTAL	158.4	156.0	154.3	2.4	4.1
MANUFACTURING	43.1	43.2	43.3	-.1	-.1
Durable Goods[e]	31.8	31.9	31.9	-.2	-.1
Primary metal industries	10.6	10.5	10.5	.0	.1
Fabricated metal products	6.2	6.3	6.5	-.1	-.3
Metal forgings and stampings	1.9	2.0	2.2	-.1	-.3
Nondurable Goods[f]	11.4	11.3	11.4	.1	.0
Food and kindred products	3.3	3.2	3.5	.0	-.2
Rubber and misc. plastics products	2.9	2.9	2.9	.0	.0
NONMANUFACTURING[g]	115.3	112.8	111.0	2.5	4.3
CONSTRUCTION	6.6	5.9	5.3	.7	1.3
TRANSPORTATION AND PUBLIC UTILITIES	5.8	5.7	5.7	.2	.2
Communication, electric, gas services	2.6	2.6	2.6	.0	.0
WHOLESALE TRADE	8.1	8.1	8.0	.0	.2
Wholesale trade-durable goods	4.5	4.5	4.4	.0	.1
RETAIL TRADE	31.5	30.8	30.5	.7	.9
General merchandise stores	3.8	3.8	3.7	.0	.1
Food stores	5.1	5.1	5.0	.0	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.5	.1	.0
Banking	1.9	1.9	1.8	.0	.0
SERVICES	36.7	35.8	35.4	.9	1.3
Health services	15.4	15.3	14.9	.1	.5
GOVERNMENT	19.1	19.1	18.7	.0	.3
State government (includes education)	1.8	1.8	1.8	.0	.0
Local government	15.8	15.9	15.5	.0	.3
Local government education	9.2	9.3	9.5	-.1	-.2
Local government, except education	6.6	6.6	6.1	.0	.5

Hours & Earnings of Production or Nonsupervisory Workers[a]

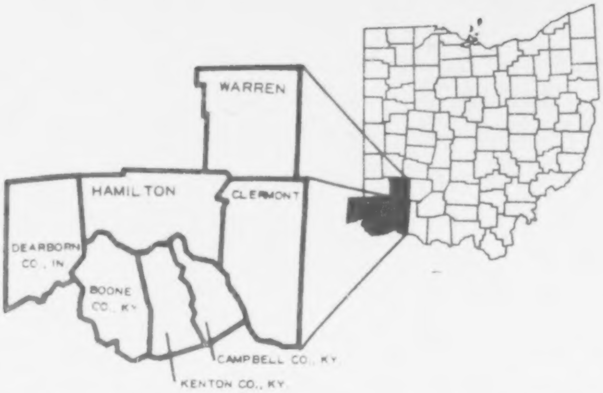
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]
MANUFACTURING	$502.71	$488.48	$471.03	43.3	43.0	41.5	$11.61	$11.36	$11.35
Durable Goods[e]	529.43	509.08	494.08	43.9	43.4	41.8	12.06	11.73	11.82
Primary metal industries	646.72	607.36	574.65	47.0	46.9	43.9	13.76	12.95	13.09
Fabricated metal products	432.55	435.30	472.56	41.0	41.3	41.2	10.55	10.54	11.47
Metal forgings and stampings	585.71	599.46	630.84	40.2	41.2	42.0	14.57	14.55	15.02
Nondurable Goods[f]	420.99	424.03	402.35	41.6	41.9	40.6	10.12	10.12	9.91
Food and kindred products	421.06	441.60	433.88	38.7	40.0	41.8	10.88	11.04	10.38
Rubber and misc. plastics products	430.26	428.28	428.82	42.1	41.5	42.0	10.22	10.32	10.21
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	585.01	540.29	540.70	42.3	40.2	40.9	13.83	13.44	13.22
WHOLESALE TRADE	379.61	375.12	364.93	38.5	38.2	37.2	9.86	9.82	9.81
RETAIL TRADE[h]	156.80	157.07	154.94	28.1	28.3	28.8	5.58	5.55	5.38

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1988	March 1988	April 1987
Employment Service Program			
New Applicants	1,380	1,645	1,416
Active File of Job Seekers	12,506	12,717	15,780
Referrals to Jobs	1,156	702	1,090
Placements	144	131	163
Job Openings Received	531	506	368
Job Openings Unfilled	833	612	472
Unemployment Insurance Program			
Initial Claims	1,422	2,225	2,733
Continued Claims	18,033	24,224	25,565
First Payments	723	1,208	840
Last Payments	269	227	510
Weeks Compensated	15,793	18,868	21,305
Benefits Paid	$2,270,132	$2,758,982	$3,161,054
Average Weekly Payment	$147.62	$149.74	$152.70

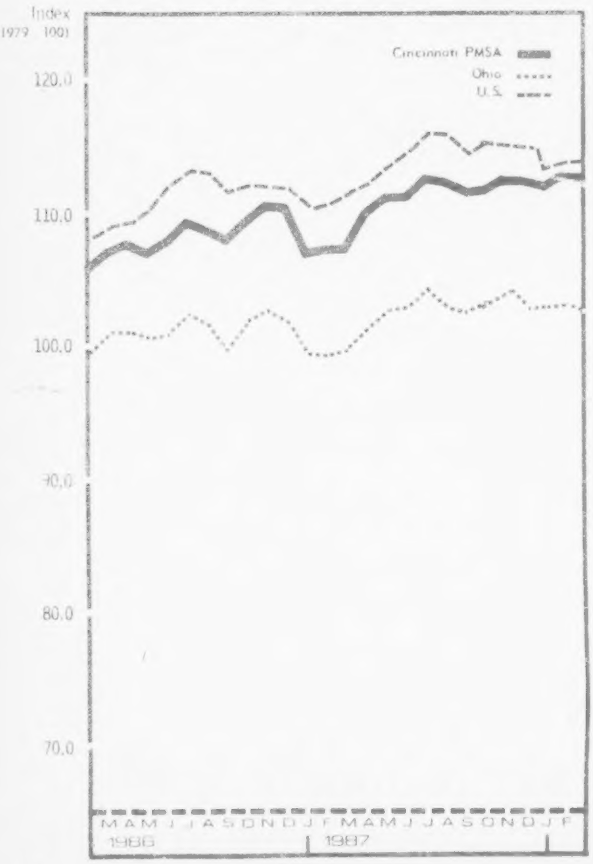
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



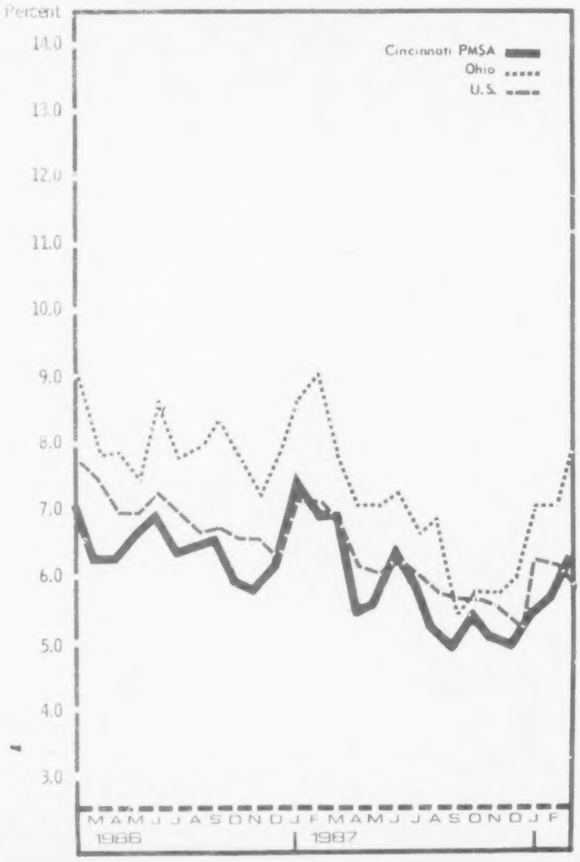
In April 1988, nonagricultural payroll employment in the Cincinnati metropolitan area advanced 14,500 above the March level, to 692,800. Nonmanufacturing industries gained 8,700 jobs over the month. Seasonal hirings in services, especially amusement and recreation services, retail trade, and construction contributed most. Manufacturing employment was 5,700 higher in April due to the settlement of a labor-management dispute in transportation equipment (+6,200). Production workers earned an average of $11.01 per hour, increasing $.21 from March. Their average workweek, 42.1 hours, was .1 hours longer.

Total nonfarm wage and salary employment rose 19,700 between April 1987 and April 1988. The increase was concentrated in nonmanufacturing industries, especially business and health services, retail trade, and construction. The manufacturing workforce was 3,400 lower over the period. Losses in transportation equipment more than offset gains in nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

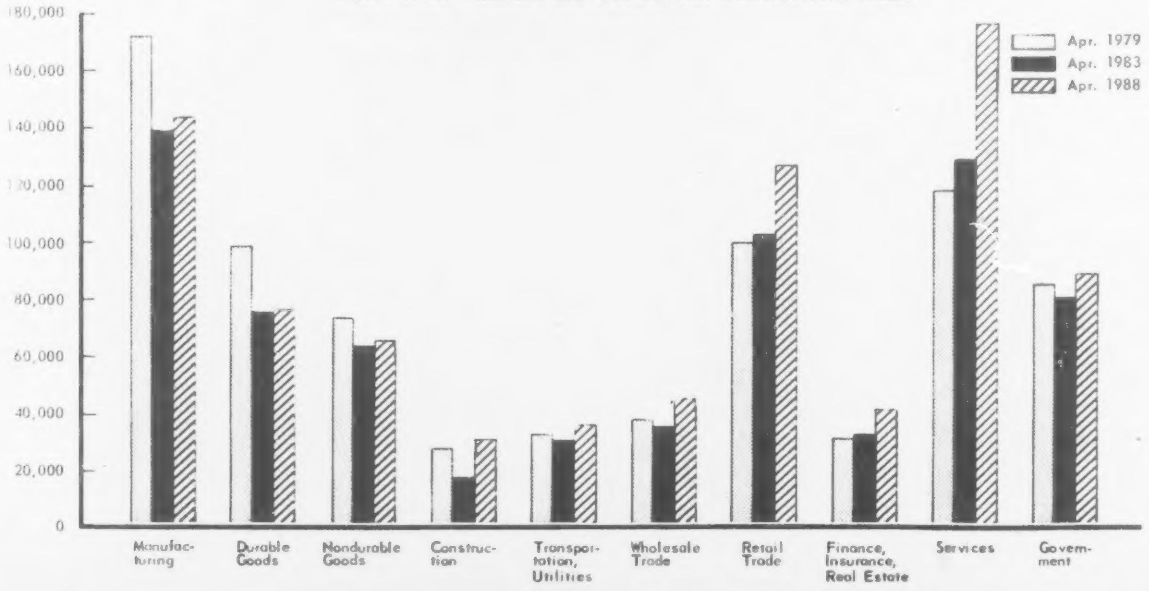


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
730.3	679.0	51.2	7.0	March	656.6	142.2	90.4	462.40	42.5	10.88
737.7	697.3	40.4	5.5	April	673.1	146.9	94.8	459.38	41.8	10.99
744.4	703.0	41.4	5.6	May	679.6	147.6	95.3	466.15	42.3	11.02
750.4	701.8	48.6	6.5	June	680.2	144.7	92.0	466.52	42.8	10.90
756.6	712.1	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.1	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
754.4	707.1	47.3	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
INA	INA	INA	INA	April	692.8	143.4	91.5	463.52	42.1	11.01

INA - information not available.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1988[b]	March 1988[c]	April 1987[c]	From Last Month	From Last Year
TOTAL	692.8	678.3	673.1	14.5	19.7
MANUFACTURING	143.4	137.7	146.9	5.7	- 3.4
Durable Goods[e]	76.4	70.3	81.1	6.1	- 4.6
Fabricated metal products	9.9	10.1	10.4	- .2	- .5
Fabricated structural metal products	3.8	3.9	4.2	- .1	- .4
Machinery, except electrical	20.2	20.4	20.6	- .1	- .4
Metalworking machinery	7.8	7.8	8.3	.0	- .4
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	7.6	7.5	7.3	.1	.3
Transportation equipment	24.4	18.2[j]	29.1	6.2	- 4.7
Motor vehicles and equipment	4.8	4.8	8.5	.0	- 3.7
Nondurable Goods[f]	67.0	67.4	65.8	- .4	1.2
Food and kindred products	13.2	13.3	13.0	- .1	.2
Beverages	3.4	3.4	3.6	.0	- .2
Apparel and other textile products	3.9	3.9	3.5	.0	.4
Paper and allied products	6.0	5.9	6.0	.0	.0
Printing and publishing	13.2	13.4	13.3	- .1	.0
Commercial printing	5.8	5.9	5.7	- .1	.1
Chemicals and allied products	22.4	22.6	22.1	- .2	.3
Rubber and misc. plastics products	5.9	5.9	5.5	.0	.4
NONMANUFACTURING[g]	549.3	540.6	526.2	8.7	23.1
CONSTRUCTION	30.9	29.2	27.9	1.7	3.0
TRANSPORTATION AND PUBLIC UTILITIES	36.0	35.9	34.8	.0	1.1
Trucking and warehousing	10.3	10.0	9.6	.2	.6
Communication, electric, gas services	14.9	15.1	14.9	- .2	.0
WHOLESALE TRADE	45.1	45.1	43.6	.0	1.5
Wholesale trade-durable goods	26.8	26.7	25.8	.1	1.0
RETAIL TRADE	127.9	125.4	123.7	2.5	4.2
General merchandise stores	16.9	16.9	17.3	.0	- .4
FINANCE, INSURANCE, AND REAL ESTATE	41.7	41.3	39.8	.4	1.9
Banking	9.1	9.0	8.6	.0	.5
Insurance carriers	14.2	14.2	13.7	.0	.5
SERVICES	177.2	173.4	166.8	3.8	10.4
Hotels and other lodging places	6.6	6.5	6.3	.2	.3
Personal services	9.2	8.9	8.7	.3	.5
Business services	42.2	41.8	38.4	.4	3.8
Amusement and recreation services	8.5	6.6	8.3	1.9	.2
Health services	54.3	54.2	51.9	.1	2.4
Hospitals	25.6	25.6	24.8	.0	.8
GOVERNMENT	89.9	89.7	89.2	.2	.8
Federal government	16.0	15.9	15.5	.1	.5
State government	20.1	20.2	20.4	.0	- .3
State government education[i]	12.3	12.5	12.4	- .1	- .1
State government, except education	7.8	7.7	8.0	.1	- .2
Local government	53.8	53.7	53.2	.1	.6
Local government education	31.2	31.3	31.1	- .1	.1
Local government, except education	22.6	22.4	22.1	.2	.5

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]
MANUFACTURING	$463.52	$453.60	$459.38	42.1	42.0	41.8	$11.01	$10.80	$10.99
Durable Goods[e]	456.96	431.18	456.20	42.0	41.7	41.7	10.88	10.34	10.94
Fabricated metal products	412.00	396.66	416.13	41.7	40.6	42.9	9.88	9.77	9.70
Fabricated structural metal products	433.82	385.13	438.12	43.6	39.5	43.9	9.95	9.75	9.98
Machinery, except electrical	429.68	421.68	405.60	42.5	42.0	41.6	10.11	10.04	9.75
Metalworking machinery	493.99	493.55	441.63	43.6	43.6	42.1	11.33	11.32	10.49
General industrial machinery	419.60	388.58	408.00	43.8	42.1	44.3	9.58	9.23	9.21
Electric and electronic equipment	328.95	333.32	357.86	38.7	39.4	40.3	8.50	8.46	8.88
Transportation equipment	675.14	757.25	629.58	44.8	46.6	43.3	15.07	16.25	14.54
Motor vehicles and equipment	831.97	807.59	686.53	49.2	47.9	43.7	16.91	16.86	15.71
Nondurable Goods[f]	468.15	472.49	462.16	42.1	42.3	41.9	11.12	11.17	11.03
Food and kindred products	487.14	489.72	493.55	41.6	42.0	43.6	11.71	11.66	11.32
Beverages	521.66	519.98	526.92	41.9	41.9	42.7	12.45	12.41	12.34
Apparel and other textile products	232.46	231.42	215.65	39.4	39.9	37.9	5.90	5.80	5.69
Paper and allied products	423.58	413.55	422.68	42.7	41.9	42.1	9.92	9.87	10.04
Printing and publishing	457.54	487.14	443.98	40.1	41.6	39.5	11.41	11.71	11.24
Commercial printing	486.49	540.45	478.70	42.6	45.0	42.4	11.42	12.01	11.29
Chemicals and allied products	548.18	553.37	548.26	42.2	42.6	42.9	12.99	12.99	12.78
Rubber and misc. plastics products	435.24	403.74	417.69	46.5	43.6	44.2	9.36	9.26	9.45
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	548.33	546.96	531.07	40.2	40.1	39.9	13.64	13.64	13.31
WHOLESALE TRADE	393.41	402.52	382.40	39.9	40.7	40.0	9.86	9.89	9.56
RETAIL TRADE[h]	166.44	164.42	162.43	29.2	29.1	28.8	5.70	5.65	5.64
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	257.96	260.29	258.42	....	....	....	.....	.....	.....

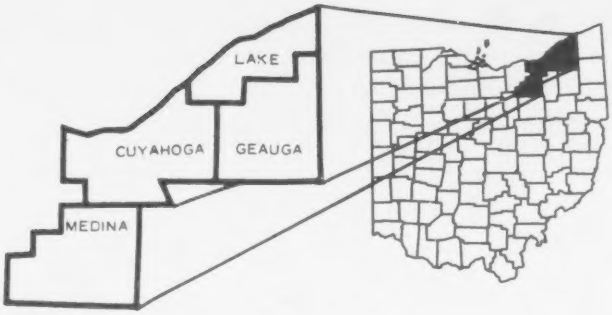
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	April 1988	March 1988	April 1987
Employment Service Program			
New Applicants	2,439	2,506	2,961
Active File of Job Seekers	22,591	23,231	20,842
Referrals to Jobs	1,754	1,601	1,964
Placements	421	214	375
Job Openings Received	1,068	1,349	1,970
Job Openings Unfilled	2,082	2,174	2,909
Unemployment Insurance Program			
Initial Claims	3,699	4,123	4,485
Continued Claims	45,097	57,308	48,079
First Payments	1,929	3,221	1,565
Last Payments	650	1,960	667
Weeks Compensated	35,848	52,563	37,031
Benefits Paid	$5,540,033	$8,328,146	$5,353,082
Average Weekly Payment	$157.39	$160.70	$147.46

[a] Ohio data only

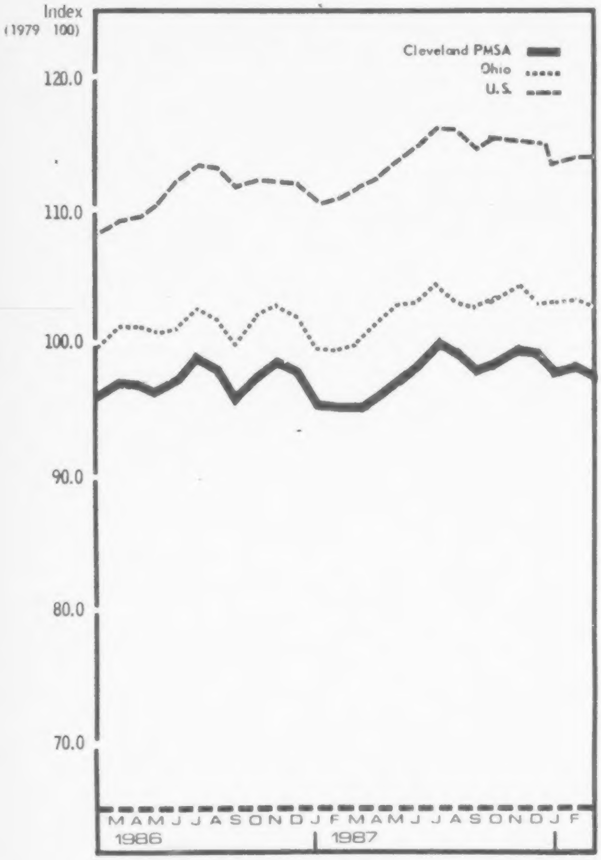
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



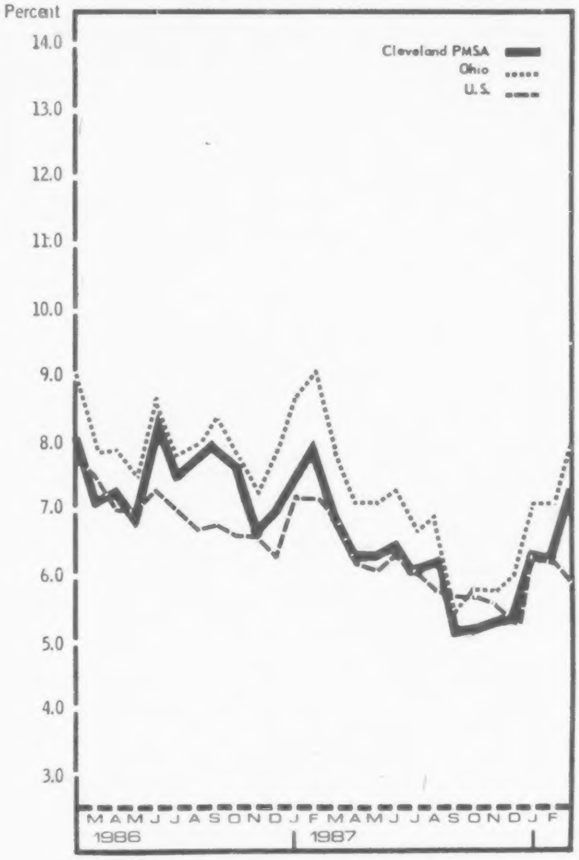
In the Cleveland metropolitan area, total nonagricultural payroll employment was 902,000 in April 1988, a gain of 8,700 from March. Seasonal hirings in services, retail trade, and construction contributed 94.3 percent of the improvement. Manufacturing employment was unchanged at 201,800. Factory worker average hourly earnings increased $.09 from March, to $11.82 per hour. Their average workweek, 43.6 hours, was .1 hours longer.

Nonfarm wage and salary employment increased 21,900 from April 1987 to April 1988. Services and retail trade were the primary growth sectors. However, important improvements were also recorded in finance, insurance, and real estate and in construction. During the period, the manufacturing workforce gained 2,400 jobs. Noteworthy expansion occurred in fabricated metal products and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

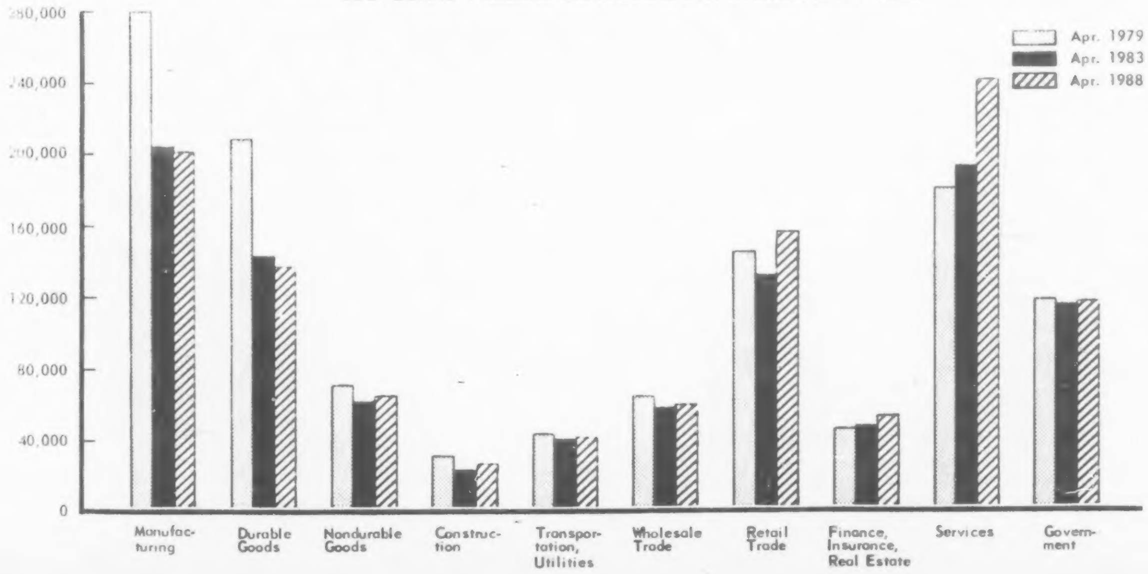


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
909.1	845.7	63.4	7.0	March	871.3	199.3	127.6	498.07	42.9	11.61
916.9	858.8	58.1	6.3	April	880.1	199.4	127.9	494.89	42.7	11.59
925.3	867.2	58.0	6.3	May	889.5	199.9	127.6	493.19	42.7	11.55
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
INA	INA	INA	INA	April	902.0	201.8	129.8	515.35	43.6	11.82

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Chnage[d] (in thousands)	
	April 1988[b]	March 1988[c]	April 1987[c]	From Last Month	From Last Year
TOTAL	902.0	893.3	880.1	8.7	21.9
MANUFACTURING	201.8	201.8	199.4	.0	2.4
Durable Goods[e]	137.3	137.0	135.9	.3	1.5
Primary metal industries	21.1	21.0	20.9	.1	.3
Iron and steel foundries	5.2	5.2	5.2	.0	.0
Fabricated metal products	33.2	33.3	32.0	-.1	1.2
Fabricated structural metal products	4.2	4.3	3.9	-.1	.3
Screw machine products, bolts, etc.	4.8	4.8	4.7	.0	.1
Metal forgings and stampings	11.7	11.8	11.3	-.1	.4
Machinery, except electrical	29.1	28.9	28.8	.1	.2
Construction and related machinery	2.7	2.6	2.5	.0	.2
Metalworking machinery	9.6	9.6	9.6	.0	.0
Special industry machinery	2.6	2.5	2.8	.0	-.2
General industrial machinery	3.0	3.0	3.0	.0	.0
Electric and electronic equipment	18.0	18.0	17.6	.0	.4
Electrical industrial apparatus	6.1	6.1	6.0	.0	.2
Transportation equipment	18.7	18.7	19.2	-.1	-.6
Motor vehicles and equipment	11.7	11.7	12.1	-.1	-.4
Instruments and related products	6.5	6.5	6.7	.0	-.2
Measuring and controlling devices	4.2	4.2	4.2	.0	.0
Nondurable Goods[f]	64.5	64.7	63.6	-.3	.9
Food and kindred products	6.9	6.9	6.9	.0	.0
Apparel and other textile products	4.1	4.0	4.1	.1	-.1
Paper and allied products	5.6	5.7	5.5	-.1	.1
Printing and publishing	16.0	16.2	15.9	-.2	.1
Chemicals and allied products	15.0	15.0	14.4	.0	.6
Rubber and misc. plastics products	12.1	12.2	11.9	-.1	.2
NONMANUFACTURING[g]	700.2	691.5	680.7	8.7	19.5
CONSTRUCTION	27.7	25.8	25.8	1.9	1.9
TRANSPORTATION AND PUBLIC UTILITIES	40.4	40.0	41.2	.5	-.8
Trucking and warehousing	11.9	11.9	11.7	.0	.2
Communication, electric, gas services	17.4	17.4	18.1	.0	-.7
WHOLESALE TRADE	60.2	60.0	60.2	.2	.0
Wholesale trade-durable goods	41.3	41.2	41.8	.1	-.4
RETAIL TRADE	157.0	154.8	150.5	2.2	6.5
General merchandise stores	20.7	20.6	20.3	.1	.4
FINANCE, INSURANCE, AND REAL ESTATE	55.5	55.4	53.5	.1	2.0
Banking	13.3	13.3	13.2	.0	.1
Credit agencies other than banks	8.7	8.7	8.6	.0	.1
Insurance carriers	14.0	13.9	13.3	.0	.7
SERVICES	241.1	237.0	231.1	4.1	10.0
Business services	55.0	53.9	52.5	1.1	2.5
Amusement and recreation services	7.8	6.3	7.5	1.5	.3
Health services	75.9	75.9	73.8	.0	2.1
Hospitals	42.8	42.9	41.9	.0	1.0
GOVERNMENT	117.3	117.6	117.4	-.3	-.2
Federal government	20.6	20.6	20.3	.0	.3
State government	8.7	8.4	8.8	.3	-.1
State government education[i]	3.4	3.4	3.4	.0	.0
State government, except education	5.3	5.0	5.4	.3	-.1
Local government	88.0	88.6	88.4	-.6	-.4
Local government education	44.7	45.7	43.9	-1.0	.8
Local government, except education	43.3	42.9	44.4	.4	-1.2

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

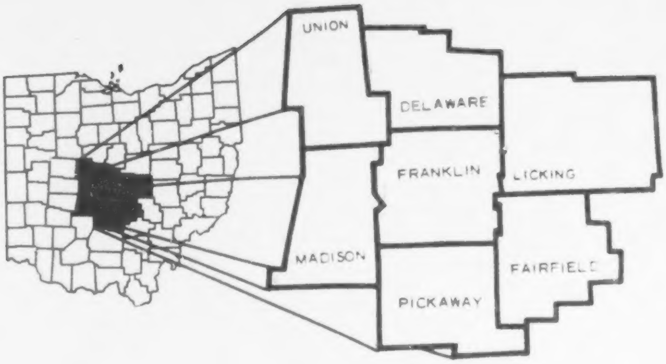
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]
MANUFACTURING	$515.35	$510.26	$494.89	43.6	43.5	42.7	$11.82	$11.73	$11.59
Durable Goods[e]	552.25	547.35	528.26	44.5	44.5	43.3	12.41	12.30	12.20
Primary metal industries	593.67	594.96	639.40	46.2	46.3	46.3	12.85	12.85	13.81
Iron and steel foundries	861.91	860.64	873.44	49.0	48.9	51.5	17.59	17.60	16.96
Fabricated metal products	546.84	533.92	529.00	44.1	43.8	43.9	12.40	12.19	12.05
Fabricated structural metal products	394.76	382.48	401.54	40.2	39.8	42.9	9.82	9.61	9.36
Screw machine products, bolts, etc.	545.69	530.31	468.72	46.8	46.6	43.4	11.66	11.38	10.80
Metal forgings and stampings	683.67	657.90	678.83	45.7	45.0	46.4	14.96	14.62	14.63
Machinery, except electrical	511.29	507.17	481.08	43.7	43.2	42.2	11.70	11.74	11.40
Construction and related machinery	406.77	409.95	396.49	44.7	45.0	44.4	9.10	9.11	8.93
Metalworking machinery	444.14	444.70	411.77	41.2	41.1	39.9	10.78	10.82	10.32
Special industry machinery	478.23	487.55	467.67	40.7	41.6	39.3	11.75	11.72	11.90
General industrial machinery	502.81	487.30	491.00	44.3	43.2	43.8	11.35	11.28	11.21
Electric and electronic equipment	460.28	473.28	427.43	42.5	43.5	40.4	10.83	10.88	10.56
Electrical industrial apparatus	545.29	545.56	469.78	45.9	46.0	41.5	11.88	11.86	11.32
Transportation equipment	763.49	728.68	654.60	48.2	46.8	44.2	15.84	15.57	14.81
Motor vehicles and equipment	855.54	807.77	678.26	49.0	47.1	43.9	17.46	17.15	15.45
Instruments and related products	397.58	425.64	383.13	41.2	43.3	40.5	9.65	9.83	9.46
Measuring and controlling devices	412.27	451.79	391.15	40.3	43.4	40.2	10.23	10.41	9.73
Nondurable Goods[f]	426.62	419.84	417.08	41.5	41.0	41.5	10.28	10.24	10.05
Food and kindred products	400.68	395.51	398.98	42.4	42.3	43.7	9.45	9.35	9.13
Apparel and other textile products	328.75	328.64	313.63	39.8	39.5	39.6	8.26	8.32	7.92
Paper and allied products	476.30	464.12	459.98	42.3	41.7	42.2	11.26	11.13	10.90
Printing and publishing	413.06	412.24	423.31	38.0	38.1	38.8	10.87	10.82	10.91
Chemicals and allied products	517.10	499.23	507.21	43.6	42.2	43.5	11.86	11.83	11.66
Rubber and misc. plastics products	384.07	378.71	380.12	43.3	42.6	43.0	8.87	8.89	8.84
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	571.05	570.65	578.22	40.5	40.5	41.9	14.10	14.09	13.80
WHOLESALE TRADE	407.28	401.05	392.73	38.9	38.6	39.0	10.47	10.39	10.07
RETAIL TRADE[h]	182.88	181.15	180.48	27.5	27.2	28.2	6.65	6.66	6.40
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	304.08	298.20	296.43	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	338.21	337.90	337.46	31.2	31.2	32.7	10.84	10.83	10.32

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1988	March 1988	April 1987
Employment Service Program			
New Applicants	3,769	4,874	7,216
Active File of Job Seekers	61,802	63,562	74,707
Referrals to Jobs	1,881	2,071	2,901
Placements	358	375	646
Job Openings Received	1,387	1,608	1,544
Job Openings Unfilled	3,020	2,885	2,507
Unemployment Insurance Program			
Initial Claims	5,742	7,766	7,035
Continued Claims	67,469	94,711	78,781
First Payments	2,550	3,938	3,050
Last Payments	1,074	1,104	1,313
Weeks Compensated	60,709	81,226	69,393
Benefits Paid	$9,509,761	$12,757,587	$10,395,470
Average Weekly Payment	$158.94	$159.33	$152.80

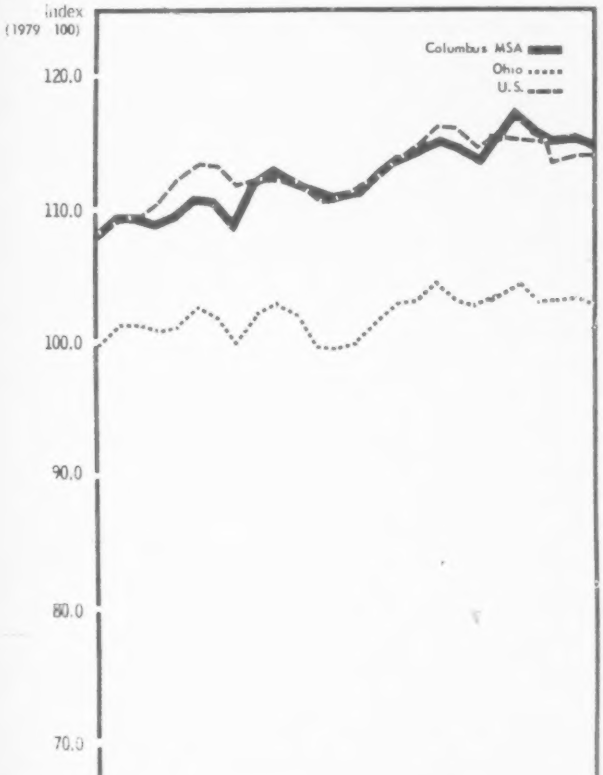
COLUMBUS
METROPOLITAN STATISTICAL AREA



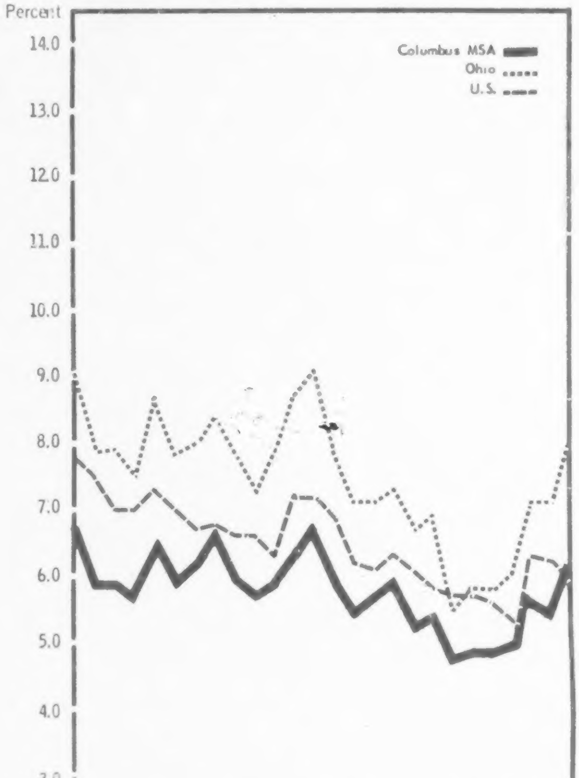
Nonagricultural wage and salary employment in the Columbus metropolitan area totaled 673,900 in April, increasing 6,700 from March 1988. Seasonal gains in services, retail trade, and construction contributed most to the improvement. Manufacturing employment rose 700 over the month. Modest growth occurred in durable- and nondurable-goods industries. Production workers averaged a 41.7 hour workweek, .4 hours longer than in March. They averaged $11.58 per hour, up $.09.

Between April 1987 and April 1988, total nonfarm payroll employment advanced 23,400. The major portion of the growth occurred in services and retail trade. Marked improvements were also noted in construction, finance, insurance, and real estate, and wholesale trade. Total manufacturing employment declined 1,100 over the year, although nondurable-goods industries gained 1,500 workers. Significant reductions were recorded in transportation equipment and stone, clay, and glass products.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

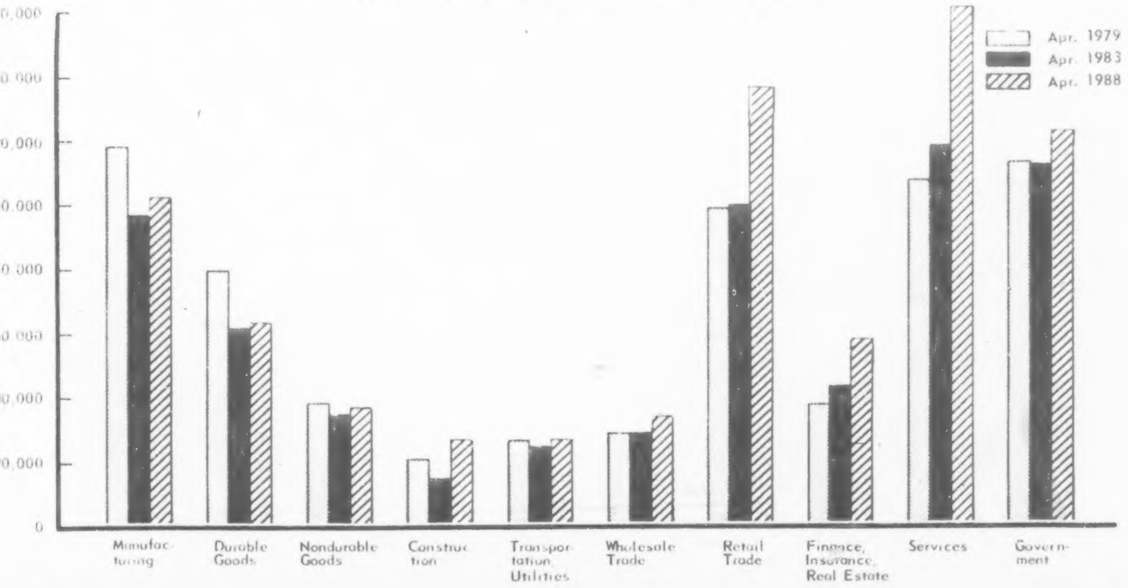


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
682.4	643.0	39.4	5.8	March	647.1	103.4	68.6	477.47	41.7	11.45
687.4	650.8	36.6	5.3	April	650.6	103.3	68.3	466.49	41.1	11.35
696.1	657.1	39.1	5.6	May	657.2	103.4	68.4	474.24	41.6	11.40
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5	11.40
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
705.0	661.9	43.1	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
INA	INA	INA	INA	April	673.9	102.3	66.9	482.89	41.7	11.58

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1988[b]	March 1988[c]	April 1987[c]	From Last Month	From Last Year
TOTAL	673.9	667.3	650.6	6.7	23.4
MANUFACTURING	102.3	101.6	103.3	.7	-1.1
Durable Goods[e]	64.3	63.8	66.9	.5	-2.6
Stone, clay, and glass products	9.9	9.8	10.8	.1	-.9
Glass and glassware, pressed or blown.	3.7	3.7	4.2	.0	-.5
Fabricated metal products	9.3	9.1	9.4	.1	-.2
Fabricated structural metal products	2.8	2.8	2.8	.0	.0
Machinery, except electrical	9.3	9.2	9.1	.1	.2
Electric and electronic equipment	10.8	10.8	10.7	.1	.1
Transportation equipment	13.3	13.1	15.3	.2	-2.1
Instruments and related products	4.2	4.2	4.1	.0	.1
Nondurable Goods[f]	37.9	37.7	36.4	.2	1.5
Food and kindred products	10.5	10.4	9.9	.0	.5
Printing and publishing	10.3	10.3	10.1	.0	.2
Chemicals and allied products	6.7	6.7	6.7	.0	.0
Rubber and misc. plastics products	5.6	5.5	5.1	.1	.6
NONMANUFACTURING[g]	571.7	565.7	547.2	6.0	24.5
CONSTRUCTION	27.7	26.4	25.1	1.3	2.6
TRANSPORTATION AND PUBLIC UTILITIES	28.1	27.9	27.3	.2	.8
Trucking and warehousing	11.6	11.6	11.1	.0	.5
Communication, electric, gas services	11.6	11.6	11.6	.0	.0
WHOLESALE TRADE	35.0	34.9	33.2	.1	1.8
Wholesale trade-durable goods	22.6	22.5	21.5	.1	1.1
RETAIL TRADE	136.4	135.0	130.3	1.4	6.1
General merchandise stores	22.3	22.2	20.9	.1	1.4
FINANCE, INSURANCE, AND REAL ESTATE	58.4	58.4	56.2	.0	2.3
Banking	11.9	11.9	11.4	.0	.5
Insurance carriers	23.2	23.2	22.4	.0	.8
SERVICES	162.0	159.5	153.1	2.6	8.9
Business services	36.8	36.2	34.0	.5	2.8
Health services	40.7	40.7	39.0	.1	1.7
Hospitals	18.1	18.1	17.3	.0	.8
GOVERNMENT	123.0	122.7	121.1	.3	2.0
Federal government	15.2	15.2	15.7	.0	-.6
State government	55.2	55.1	53.9	.2	1.3
State government education[i]	24.1	24.1	23.5	.0	.6
State government, except education	31.1	30.9	30.5	.2	.7
Local government	52.6	52.5	51.4	.2	1.2
Local government education	32.5	32.6	30.9	-.1	1.6
Local government, except education	20.1	19.9	20.5	.2	-.3

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

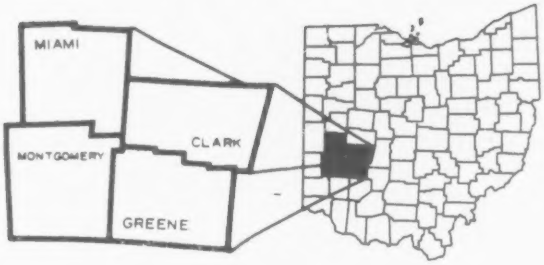
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]
MANUFACTURING	$482.89	$474.54	$466.49	41.7	41.3	41.1	$11.58	$11.49	$11.35
Durable Goods[e]	494.00	482.38	477.51	41.9	41.3	41.2	11.79	11.68	11.59
Stone, clay, and glass products	476.19	479.81	471.23	40.7	40.8	41.3	11.70	11.76	11.41
Glass and glassware, pressed or blown.	436.91	437.49	410.94	39.9	39.7	39.1	10.95	11.02	10.51
Fabricated metal products	518.68	488.35	497.30	41.1	39.8	40.3	12.62	12.27	12.34
Fabricated structural metal products	453.47	440.64	459.13	41.3	40.5	41.4	10.98	10.88	11.09
Machinery, except electrical	450.05	441.79	420.15	42.1	41.6	39.9	10.69	10.62	10.53
Electric and electronic equipment	464.02	454.62	460.63	41.1	40.7	40.8	11.29	11.17	11.29
Transportation equipment	612.32	603.42	565.47	43.8	43.6	43.1	13.98	13.84	13.12
Instruments and related products	423.05	421.02	430.98	40.6	40.6	41.6	10.42	10.37	10.36
Nondurable Goods[f]	463.14	458.84	444.58	41.5	41.3	40.9	11.16	11.11	10.87
Food and kindred products	460.90	451.00	449.86	41.9	41.3	41.5	11.00	10.92	10.84
Printing and publishing	534.04	527.24	494.69	39.5	39.2	38.2	13.52	13.45	12.95
Chemicals and allied products	554.88	560.53	526.12	42.1	42.4	41.2	13.18	13.22	12.77
Rubber and misc. plastics products	358.68	352.79	358.52	42.7	42.2	43.3	8.40	8.36	8.28
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	602.62	582.61	570.87	42.2	41.0	41.7	14.28	14.21	13.69
WHOLESALE TRADE	342.04	340.38	344.42	37.3	37.2	38.1	9.17	9.15	9.04
RETAIL TRADE[h]	179.71	180.41	168.88	28.8	28.5	28.1	6.24	6.33	6.01
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	262.31	264.27	254.74	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	335.20	333.88	322.85	34.1	34.0	33.7	9.83	9.82	9.58

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1988	March 1988	April 1987
Employment Service Program			
New Applicants	3,935	4,431	6,249
Active File of Job Seekers	31,784	33,817	36,056
Referrals to Jobs	2,536	2,606	4,824
Placements	570	683	668
Job Openings Received	1,656	1,283	3,036
Job Openings Unfilled	2,598	2,431	6,461
Unemployment Insurance Program			
Initial Claims	3,518	4,091	4,833
Continued Claims	41,118	55,014	47,925
First Payments	1,817	2,583	1,802
Last Payments	796	800	674
Weeks Compensated	35,896	50,967	42,774
Benefits Paid	$5,645,024	$8,085,268	$6,517,067
Average Weekly Payment	$160.72	$161.48	$155.52

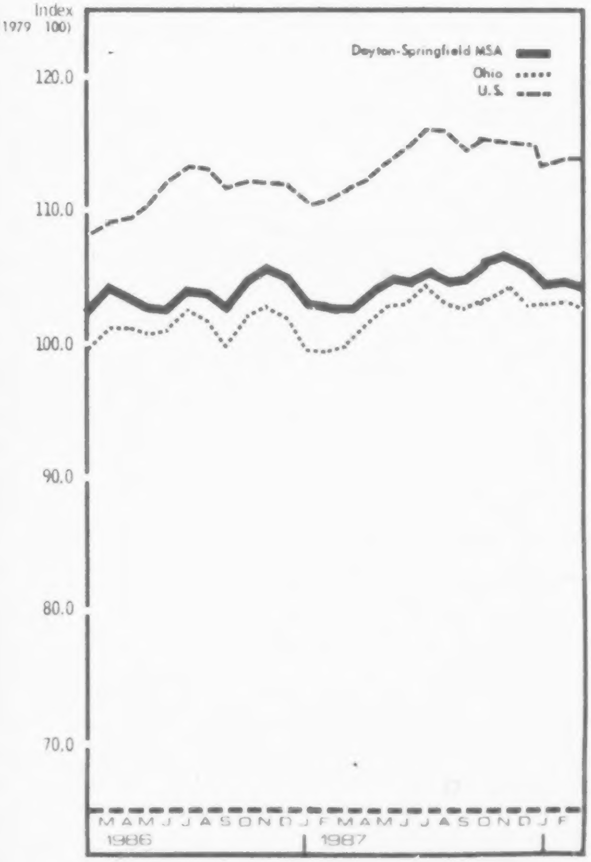
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



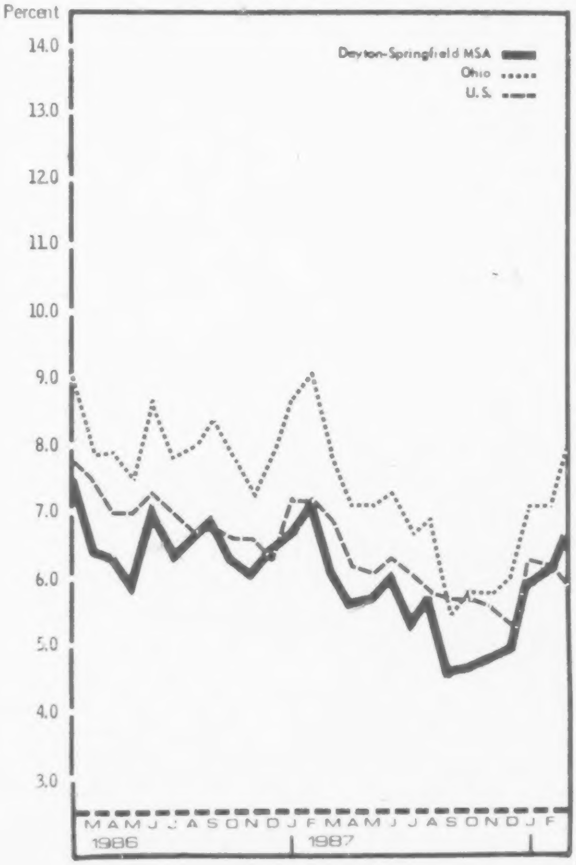
In April 1988, nonagricultural payroll employment in the Dayton-Springfield metropolitan area advanced 4,100 from March, to 434,700. Seasonal expansion in construction, retail trade, and services contributed most to the improvement. Manufacturing industries gained 300 jobs over the month due to modest increases in transportation equipment and fabricated metal products. Factory production worker average hourly earnings increased $.20 from March, to $12.68 per hour in April. They worked .5 hours longer for an average workweek of 43.7 hours.

The total nonfarm wage and salary workforce increased 8,300 between April 1987 and April 1988. The gain occurred in the nonmanufacturing sector. Major growth industries were services, especially business services, retail trade, and construction. Lost jobs in transportation equipment helped lower total manufacturing employment 1,100 during the period.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

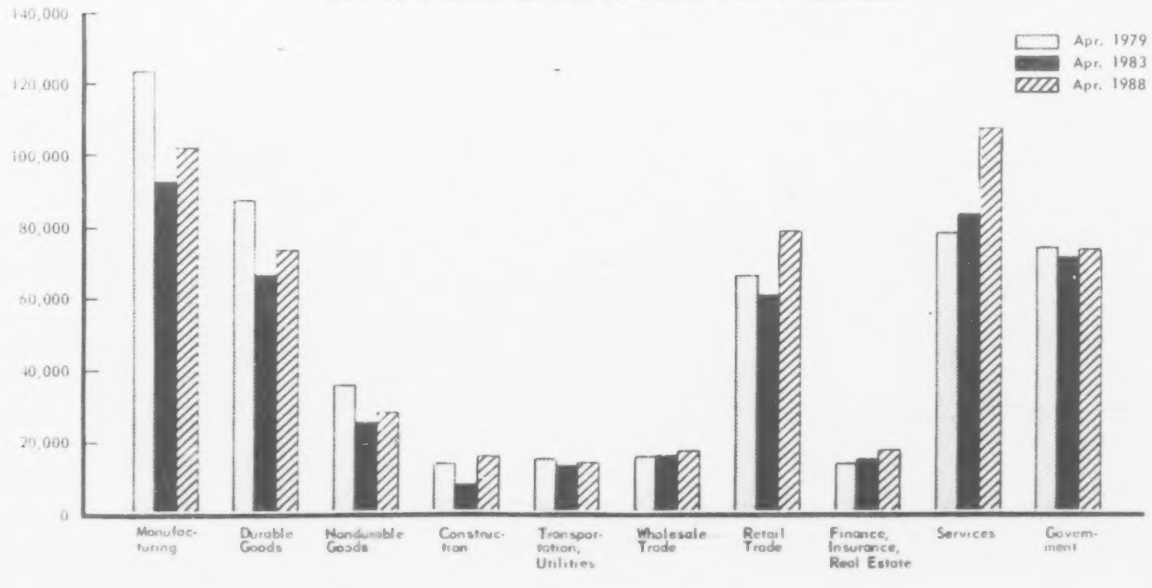


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
455.5	427.8	27.8	6.1	March	421.9	103.3	66.4	494.15	41.7	11.85
460.8	434.8	26.0	5.6	April	426.5	103.9	67.0	486.10	41.3	11.77
464.3	437.5	26.8	5.8	May	429.3	104.0	67.0	486.04	41.4	11.74
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.2	435.7	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
INA	INA	INA	INA	April	434.7	102.8	66.0	554.12	43.7	12.68

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1988[b]	March 1988[c]	April 1987[c]	From Last Month	From Last Year
TOTAL	434.7	430.6	426.5	4.1	8.3
MANUFACTURING	102.8	102.5	103.9	.3	- 1.1
Durable Goods[e]	74.0	73.8	75.0	.3	- 1.0
Fabricated metal products	8.3	8.2	8.4	.1	- .1
Machinery, except electrical	30.4	30.4	30.2	.0	.1
Metalworking machinery	6.6	6.6	6.6	.0	.0
General industrial machinery	2.8	2.8	2.6	.0	.2
Electric and electronic equipment	5.8	5.8	6.0	.0	- .2
Electrical industrial apparatus	3.5	3.5	3.6	.0	- .2
Transportation equipment	20.2	20.0	21.2	.2	- .9
Nondurable Goods[f]	28.7	28.7	28.9	.0	- .2
Food and kindred products	2.7	2.7	2.8	.0	- .1
Paper and allied products	6.0	6.0	5.8	.0	.2
Printing and publishing	8.7	8.7	8.6	.0	.1
Rubber and misc. plastics products	7.7	7.7	8.1	.0	- .3
NONMANUFACTURING[g]	332.0	328.1	322.6	3.9	9.4
CONSTRUCTION	16.9	15.5	15.1	1.5	1.8
TRANSPORTATION AND PUBLIC UTILITIES	15.4	15.3	15.2	.1	.2
Communication, electric, gas services	5.3	5.3	5.5	.0	- .2
WHOLESALE TRADE	18.8	18.7	18.5	.1	.3
Wholesale trade-durable goods	12.4	12.4	12.2	.0	.2
RETAIL TRADE	79.8	78.6	76.8	1.2	2.9
General merchandise stores	11.9	11.9	11.7	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	18.1	17.9	17.6	.2	.5
Banking	4.2	4.1	4.2	.0	- .1
Credit agencies other than banks	4.9	4.8	4.7	.1	.3
Insurance carriers	2.7	2.7	3.0	.0	- .3
SERVICES	108.4	107.3	103.8	1.2	4.7
Business services	26.7	26.3	24.7	.4	2.0
Health services	36.0	36.0	35.5	.0	.5
Hospitals	18.4	18.4	18.5	.0	- .1
Educational services	8.6	8.6	8.2	- .1	.4
GOVERNMENT	74.2	74.5	75.2	- .3	- .9
Federal government	28.1	28.2	27.7	.0	.4
State government	7.5	7.5	7.4	.0	.1
State government education[i]	4.6	4.6	4.5	.0	.1
State government, except education	2.9	2.9	2.8	.0	.1
Local government	38.6	38.9	40.1	- .3	- 1.5
Local government education	23.9	24.3	25.5	- .4	- 1.6
Local government, except education	14.7	14.6	14.6	.1	.1

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

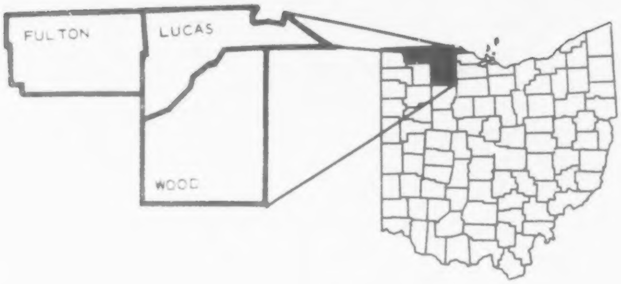
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]
MANUFACTURING	$554.12	$539.14	$486.10	43.7	43.2	41.3	$12.68	$12.48	$11.77
Durable Goods[e]	565.87	551.61	490.32	43.9	43.4	41.1	12.89	12.71	11.93
Fabricated metal products	387.50	396.16	368.92	41.4	42.1	40.1	9.36	9.41	9.20
Machinery, except electrical	582.54	579.91	525.41	43.8	43.8	41.6	13.30	13.24	12.63
Metalworking machinery	538.90	553.13	502.86	44.5	45.6	42.4	12.11	12.13	11.86
General industrial machinery	452.19	453.48	404.91	42.3	42.5	38.6	10.69	10.67	10.49
Electric and electronic equipment	451.80	445.55	421.18	44.6	44.6	43.6	10.13	9.99	9.66
Electrical industrial apparatus	525.54	515.50	495.00	46.1	45.7	45.0	11.40	11.28	11.00
Transportation equipment	741.29	692.64	572.27	46.1	44.4	40.5	16.08	15.60	14.13
Nondurable Goods[f]	520.65	503.86	473.47	43.1	42.7	41.9	12.08	11.80	11.30
Food and kindred products	305.87	336.41	343.62	35.9	39.3	41.5	8.52	8.56	8.28
Paper and allied products	521.27	515.13	513.24	46.5	46.2	47.0	11.21	11.15	10.92
Printing and publishing	456.91	442.80	428.47	41.2	40.0	39.6	11.09	11.07	10.82
Rubber and misc. plastics products	689.75	644.36	568.83	44.3	42.9	40.2	15.57	15.02	14.15
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	531.19	572.11	542.53	39.7	41.1	40.7	13.38	13.92	13.33
WHOLESALE TRADE	411.84	414.80	403.74	39.6	40.0	40.7	10.40	10.37	9.92
RETAIL TRADE[h]	161.52	160.38	157.08	27.8	27.7	27.9	5.81	5.79	5.63
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	369.18	367.08	360.70	34.6	34.5	33.9	10.67	10.64	10.64

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1988	March 1988	April 1987
Employment Service Program			
New Applicants	2,424	2,775	2,669
Active File of Job Seekers	20,211	20,630	23,780
Referrals to Jobs	1,566	1,782	1,814
Placements	274	501	463
Job Openings Received	954	875	915
Job Openings Unfilled	1,781	1,973	1,942
Unemployment Insurance Program			
Initial Claims	2,109	2,310	2,623
Continued Claims	24,092	35,714	29,696
First Payments	1,028	1,616	1,186
Last Payments	433	504	546
Weeks Compensated	23,407	33,252	27,723
Benefits Paid	$3,398,523	$4,892,895	$3,918,513
Average Weekly Payment	$148.19	$148.70	$143.08

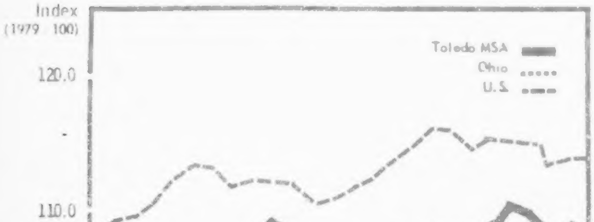
TOLEDO
METROPOLITAN STATISTICAL AREA



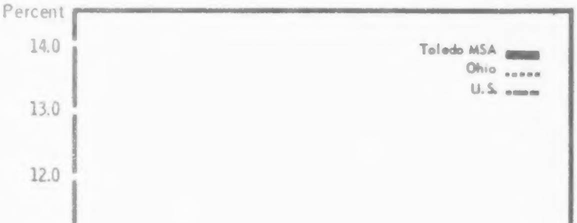
In the Toledo metropolitan area, nonfarm payroll employment was 3,100 higher than in March, totaling 287,100 in April 1988. Nonmanufacturing industries provided 93.5 percent of the increase due chiefly to seasonal growth in services, construction, and retail trade. The manufacturing workforce added 200 jobs over the month, to 62,000 in April. Production workers averaged $13.23 per hour, up $.04 from last month. Their average workweek was .3 hours longer, at 43.4 hours.

Nonagricultural wage and salary employment advanced 9,700 from April 1987 to April 1988. The gain was concentrated in nonmanufacturing industries. Major growth sectors were services, retail trade, and construction. Manufacturing employment decreased 100 over the year. A reduction in motor vehicles and equipment more than outweighed a modest increase in stone, clay, and glass products.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

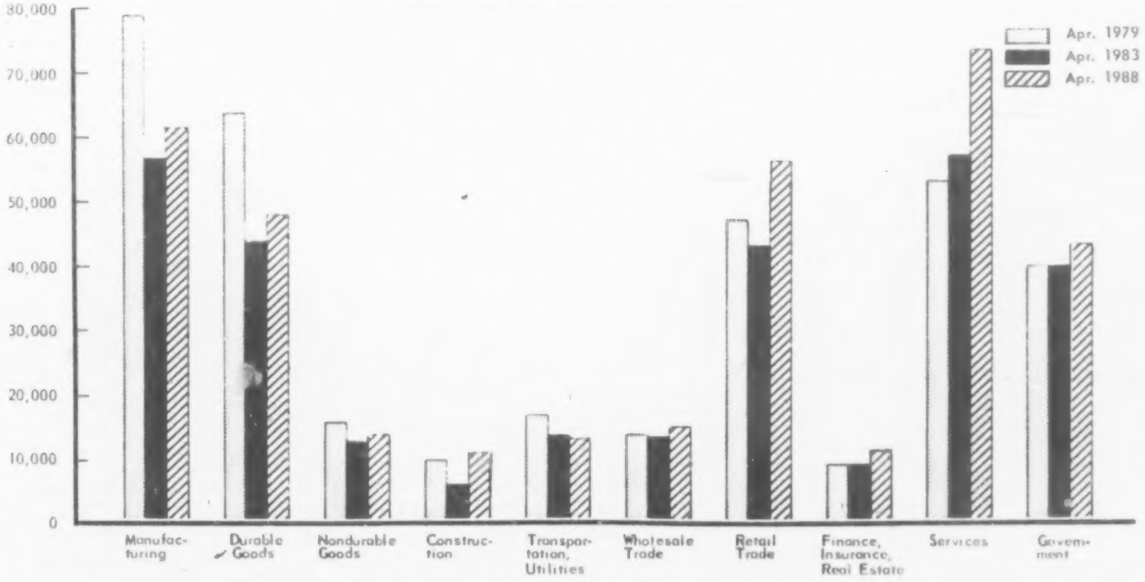


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
303.4	279.0	24.4	8.0	March	273.4	61.9	43.6	543.56	42.8	12.70
307.9	284.8	23.0	7.5	April	277.4	62.0	43.8	537.21	42.4	12.67
310.3	287.5	22.8	7.3	May	280.2	61.8	43.4	532.55	41.9	12.71
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.2	289.4	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
INA	INA	INA	INA	April	287.1	62.0	44.2	574.18	43.4	13.23

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	April 1988[b]	March 1988[c]	April 1987[c]	From Last Month	From Last Year
TOTAL	287.1	284.0	277.4	3.1	9.7
MANUFACTURING	62.0	61.8	62.0	.2	-.1
Durable Goods[e]	48.0	47.9	48.0	.1	.0
Stone, clay, and glass products	8.3	8.3	7.8	.0	.5
Primary metal industries	3.5	3.5	3.5	.1	.0
Fabricated metal products	7.7	7.6	7.7	.1	.0
Metal forgings and stampings	3.3	3.3	3.4	.0	-.1
Machinery, except electrical	6.2	6.2	6.2	.0	.0
Electric and electronic equipment	2.2	2.3	2.5	-.1	-.3
Transportation equipment	15.5	15.4	16.0	.1	-.6
Motor vehicles and equipment	14.4	14.5	15.1	.0	-.7
Nondurable Goods[f]	14.0	13.9	14.0	.1	-.1
Food and kindred products	3.7	3.6	3.5	.1	.1
Rubber and misc. plastics products	3.1	3.1	2.9	.0	.2
NONMANUFACTURING[g]	225.1	222.3	215.4	2.9	9.8
CONSTRUCTION	11.4	10.5	9.6	.8	1.8
TRANSPORTATION AND PUBLIC UTILITIES	13.7	13.5	13.5	.2	.2
Trucking and warehousing	5.4	5.4	5.2	.0	.1
Communication, electric, gas services	5.0	5.0	4.9	.0	.1
WHOLESALE TRADE	15.1	15.0	14.5	.1	.6
Wholesale trade-durable goods	9.9	9.8	9.6	.0	.2
RETAIL TRADE	56.0	55.3	53.2	.7	2.8
General merchandise stores	7.2	7.2	7.5	.0	-.3
FINANCE, INSURANCE, AND REAL ESTATE	11.2	11.2	11.2	.0	.0
Banking	3.6	3.6	3.5	.0	.1
SERVICES	73.9	72.6	70.1	1.3	3.8
Business services	15.6	15.3	14.1	.3	1.5
Health services	27.2	27.2	26.8	.0	.5
Hospitals	15.2	15.2	15.1	.0	.1
GOVERNMENT	43.6	44.0	43.0	-.4	.6
State government	16.5	16.5	16.2	.0	.3
State government education[i]	12.4	12.4	12.2	-.1	.2
State government, except education	4.1	4.1	4.0	.0	.1
Local government	24.5	24.9	24.2	-.3	.4
Local government education	14.1	14.4	13.9	-.3	.2
Local government, except education	10.4	10.4	10.3	.0	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

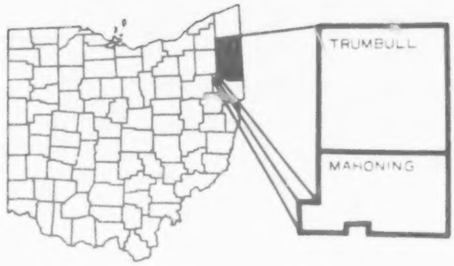
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]
MANUFACTURING	$574.18	$568.49	$537.21	43.4	43.1	42.4	$13.23	$13.19	$12.67
Durable Goods[e]	599.87	591.84	560.62	43.5	43.2	42.6	13.79	13.70	13.16
Stone, clay, and glass products	507.53	532.30	511.52	39.9	41.2	40.5	12.72	12.92	12.63
Primary metal industries	489.72	484.27	507.05	43.3	43.2	44.4	11.31	11.21	11.42
Fabricated metal products	537.60	540.58	546.74	42.0	42.2	43.6	12.80	12.81	12.54
Metal forgings and stampings	702.52	687.73	670.60	45.5	44.6	45.9	15.44	15.42	14.61
Machinery, except electrical	515.14	510.94	464.39	43.0	42.9	40.7	11.98	11.91	11.41
Electric and electronic equipment	519.02	506.35	509.64	42.3	41.2	41.1	12.27	12.29	12.40
Transportation equipment	778.77	743.36	662.02	46.3	44.7	43.1	16.82	16.63	15.36
Motor vehicles and equipment	788.64	750.40	665.03	46.5	44.8	43.1	16.96	16.75	15.43
Nondurable Goods[f]	476.19	476.58	451.36	42.9	42.4	41.6	11.10	11.24	10.85
Food and kindred products	557.53	590.95	529.13	43.9	44.2	42.5	12.70	13.37	12.45
Rubber and misc. plastics products	363.29	336.61	336.58	43.3	41.1	41.4	8.39	8.19	8.13
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	604.86	617.40	583.67	41.6	42.0	41.9	14.54	14.70	13.93
WHOLESALE TRADE	370.36	372.10	355.89	38.7	38.6	37.7	9.57	9.64	9.44
RETAIL TRADE[h]	163.81	161.58	161.21	29.2	28.7	29.1	5.61	5.63	5.54

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1988	March 1988	April 1987
Employment Service Program			
New Applicants	1,903	2,315	2,260
Active File of Job Seekers	18,279	19,031	20,742
Referrals to Jobs	1,050	1,247	1,459
Placements	279	243	311
Job Openings Received	565	519	839
Job Openings Unfilled	906	835	1,306
Unemployment Insurance Program			
Initial Claims	2,818	2,983	4,197
Continued Claims	22,330	30,822	32,855
First Payments	871	1,586	1,203
Last Payments	286	328	374
Weeks Compensated	18,476	26,414	24,095
Benefits Paid	$2,775,707	$4,052,640	$3,534,397
Average Weekly Payment	$153.36	$156.13	$149.92

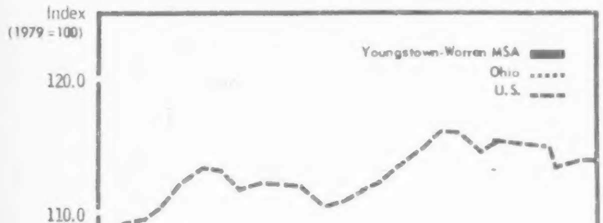
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



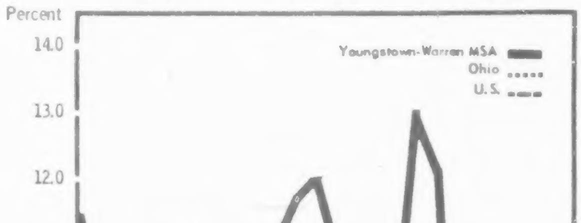
Nonagricultural wage and salary employment in the Youngstown-Warren metropolitan area rose 3,200 from March, to 193,000 in April 1988. Seasonal gains in construction, services, and retail trade contributed most to the improvement. The manufacturing labor force gained 600 workers during the month with modest growth in primary metal industries and fabricated metal products. Factory production workers earned an average of $13.58 per hour, $.17 more than last month. Their average workweek increased .6 hours, to 42.2 hours.

Between April 1987 and April 1988, total nonfarm employment gained 5,600 jobs. The major portion of the growth occurred in retail trade and services. Significant improvements were also noted in construction and wholesale trade. Manufacturing employment advanced 400 over the year. Modest expansion was posted in primary metal industries and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



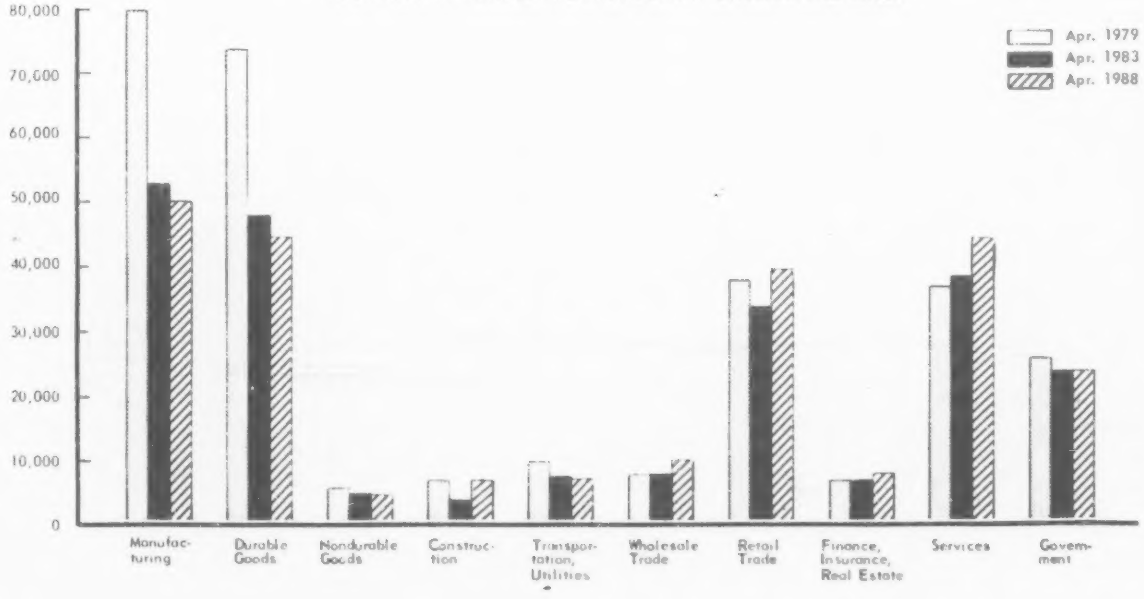
YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
217.9	195.5	22.4	10.3	March	185.2	49.6	37.2	579.79	43.3	13.39
218.4	199.1	19.3	8.8	April	187.4	49.7	37.4	571.94	43.1	13.27
223.0	201.5	21.5	9.7	May	189.6	49.1	36.8	565.78	42.7	13.25
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.3	200.4	20.9	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
INA	INA	INA	INA	April	193.0	50.1	38.3	573.08	42.2	13.58

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1988[b]	March 1988[c]	April 1987[c]	From Last Month	From Last Year
TOTAL	193.0	189.8	187.4	3.2	5.6
MANUFACTURING	50.1	49.5	49.7	.6	.4
Durable Goods[e]	44.9	44.5	44.5	.5	.4
Primary metal industries	18.8	18.6	18.4	.2	.4
Blast furnace and basic steel products	5.6	5.7	5.5	.0	.1
Fabricated metal products	7.6	7.5	7.3	.2	.3
Machinery, except electrical	3.7	3.8	3.8	.0	-.1
Electric and electronic equipment	2.1	2.2	2.3	.0	-.2
Transportation equipment	9.6	9.5	9.6	.1	.0
Nondurable Goods[f]	5.2	5.1	5.2	.1	-.1
NONMANUFACTURING[g]	142.9	140.2	137.6	2.7	5.2
CONSTRUCTION	7.5	6.4	6.7	1.2	.8
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.6	7.5	.1	.1
Communication, electric, gas services	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	10.1	9.9	9.3	.2	.8
Wholesale trade-durable goods	6.2	6.1	5.9	.1	.3
RETAIL TRADE	39.7	39.1	37.9	.7	1.8
General merchandise stores	5.1	5.1	5.3	.0	-.2
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.2	8.1	.1	.1
Banking	2.9	2.8	2.8	.0	.1
SERVICES	44.8	43.8	43.4	1.0	1.4
Health services	19.6	19.4	19.3	.2	.3
Hospitals	10.0	9.9	10.1	.1	-.1
GOVERNMENT	24.2	24.8	24.0	-.6	.2
State government	4.1	4.4	4.0	-.3	.1
State government education[i]	2.6	2.9	2.6	-.4	.0
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.1	18.2	18.0	-.2	.1
Local government education	11.8	12.0	11.7	-.2	.1
Local government, except education	6.2	6.2	6.2	.0	.0

Youngstown-Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]	Apr. 1988[b]	Mar. 1988[c]	Apr. 1987[c]
MANUFACTURING	$573.08	$557.86	$571.94	42.2	41.6	43.1	$13.58	$13.41	$13.27
Durable Goods[e]	587.24	570.57	589.37	42.4	41.8	43.4	13.85	13.65	13.58
Primary metal industries	647.58	609.44	606.61	43.0	41.6	42.9	15.06	14.65	14.14
Blast furnace and basic steel products	602.00	654.24	637.56	44.2	47.0	46.1	13.62	13.92	13.83
Fabricated metal products	572.29	548.70	547.96	42.9	41.6	41.2	13.34	13.19	13.30
Machinery, except electrical	471.96	485.06	475.86	41.4	42.4	41.2	11.40	11.44	11.55
Electric and electronic equipment	450.96	451.36	439.01	40.7	40.7	40.8	11.08	11.09	10.76
Transportation equipment	618.62	623.66	715.73	42.4	42.6	48.1	14.59	14.64	14.88
Nondurable Goods[f]	410.17	409.37	398.78	39.9	39.4	40.2	10.28	10.39	9.92
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	541.11	542.70	540.50	39.7	39.7	40.7	13.63	13.67	13.28
WHOLESALE TRADE	359.64	350.41	338.69	38.3	37.8	37.8	9.39	9.27	8.96
RETAIL TRADE[h]	173.98	172.49	171.40	28.9	28.7	29.1	6.02	6.01	5.89

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1988	March 1988	April 1987
Employment Service Program			
New Applicants	1,837	2,338	1,848
Active File of Job Seekers	18,458	17,773	21,875
Referrals to Jobs	1,232	1,058	1,191
Placements	364	224	295
Job Openings Received	795	489	520
Job Openings Unfilled	970	749	593
Unemployment Insurance Program			
Initial Claims	2,141	3,051	4,478
Continued Claims	20,335	26,928	28,019
First Payments	784	1,432	1,120
Last Payments	321	270	442
Weeks Compensated	17,780	25,066	25,749
Benefits Paid	$2,555,070	$3,700,081	$3,640,265
Average Weekly Payment	$147.05	$150.72	$146.28

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues, also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	April 1988	March 1988	April 1987
New Applicants	34,539	40,729	42,612
Active File of Job Seekers	286,310	297,532	337,571
Counseling Interviews	1,242	1,410	1,729
Tests Administered	5,083	4,432	4,393
General Aptitude Tests	301	380	878
Proficiency Tests	486	456	600
Specific Aptitude Tests	1,477	1,063	655
Referrals to Jobs	24,512	25,632	28,655
Placements	5,565	5,521	5,936
Job Openings Received	13,022	12,420	15,472
Job Openings Unfilled	20,838	19,562	25,951

Selected Unemployment Insurance Activities

	April 1988	March 1988	April 1987
Initial Claims	38,395	46,783	54,816
Continued Claims	421,800	587,431	521,977
First Payments	17,325	26,894	20,064
Last Payments	6,878	8,581	8,677
Average Weekly Claimants	101,491	126,378	117,813
Average Weekly Benefit Recipients	89,215	114,848	101,157
Weeks Compensated	374,933	530,537	457,704
Benefits Paid	$57,129,907	$81,677,838	$67,451,284
Average Weekly Payment	$155.71	$156.95	$150.96
Continued Claims for Survey Week	98,729	126,347	109,357
Insured Unemployment Rate	2.3	2.9	2.8
Net Contributions	$74,964,221	$4,530,769	$132,036,275
Active Employer Accounts	200,411	199,798	194,529

Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

Labor Market Review

May 1988

Summary. The seasonally adjusted unemployment rate in Ohio was 6.2 percent in May, about the same as the 6.3 percent in April. The national rate, at 5.6 percent in May, was up .2 percentage points from April. The number of unemployed workers in Ohio fell 6,000 from April, to 326,000 in May. Total employment declined 23,000, to 4,922,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio, at 4,674,000, was up 6,000 from April. (See page 3.)

Factory Employment. Ohio's manufacturing employment totaled 1,099,000 in May, unchanged from April. Both durable- and nondurable-goods employment remained at their April levels, 736,000 and 363,000, respectively.

Nonmanufacturing. An increase of 5,000 in services employment helped boost nonmanufacturing employment 7,000, to 3,575,000 in May. Retail trade added 2,000 jobs, while wholesale trade and finance, insurance, and real estate had employment gains of 1,000 each. Mining and transportation and public utilities were unchanged, while both construction and government employment declined 1,000.

Over the Year. Total employment in Ohio increased 38,000 from May 1987 to May 1988. There were 67,000 fewer jobless workers, lowering the unemployment rate from 7.4 percent in May 1987 to 6.2 percent in May 1988. The U.S. rate also declined during the period, from 6.3 percent to 5.6 percent. Nonfarm payroll employment rose 113,000 from May 1987. The largest gains were in services (+45,000), retail trade (+26,000), and construction (+16,000). With the exception of mining, which declined 1,000, all other nonmanufacturing divisions had increased employment over the year. Manufacturing employment advanced 5,000 from May 1987, due to growth in nondurable-goods industries.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries earned an average of $519.70 per week in May, up $2.84 from April. Their average workweek increased .2 hours, to 43.2 hours. Most industries had relatively minor changes in earnings. The largest increases were in motor vehicles and equipment, aircraft and parts, and blast furnace and basic steel products.

Benefits and Costs. There were 37,844 initial claims filed under the Ohio Unemployment Compensation Law in May, down 1.4 percent from April, and down 14.1 percent from May 1987. The average weekly payment dropped $1.09 to $154.62. Total benefits paid, at $41.7 million, were down 27.0 percent from April. The average number of weekly benefit recipients totaled 68,929, down 22.7 percent. At the end of May, there were 200,354 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Grace Kilbane, Acting Administrator

Employment Service. The Ohio Bureau of Employment Services helped 35,542 new job applicants in May, up 2.9 percent from April, but down 2.3 percent from May 1987. There was a 14.2 percent increase in the number of job openings received from April to May. The Employment Services Division made 27,693 job referrals and 6,165 placements.

Ohio has become a Wage Recording State

Ohio's system of payroll reporting is changing significantly as a result of congressional action taken in 1984. The Social Security Act was amended to require states to establish a system to crossmatch income eligibility data and to collect individual employee wage data from their employers. In Ohio, the Unemployment Compensation Law was changed to meet the congressional mandate and, simultaneously, to convert from a wage request system to a wage reporting system for unemployment compensation purposes. Under this system, OBES will collect wage data for all employees on a quarterly basis instead of requesting wage information when an application for benefits is filed.

Some of the benefits of the Wage Record System are:
* streamlining of the claims processing procedure;
* revealing of unreported employment; and
* reduction in the number of UC appeals.

For more information about the Wage Record System, contact OBES on the Wage Record Hotline (1-800-654-8098).

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	May 1988	Apr. 1988	May 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,248	5,277	5,277	-29	-29	-0.5	-0.5
Employment	4,922	4,945	4,884	-23	38	-0.5	0.8
Unemployment	326	332	393	-6	-67	-1.8	-17.0
Unemployment Rate	6.2	6.3	7.4				
Employer Survey Data[e]							
Total	4,674	4,667	4,560	6	113	0.1	2.5
Manufacturing	1,099	1,099	1,094	0	5	-0.0	0.5
Durable Goods	736	736	736	0	0	-0.0	-0.0
Nondurable Goods	363	363	357	0	6	-0.1	1.6
Nonmanufacturing	3,575	3,568	3,467	7	108	0.2	3.1
Mining	20	20	21	0	-1	-0.5	-3.8
Construction	190	191	174	-1	16	-0.5	9.1
Transportation and Public Utilities	209	209	207	0	2	0.1	1.1
Wholesale Trade	255	254	248	1	7	0.3	2.8
Retail Trade	870	868	844	2	26	0.2	3.0
Finance, Insurance, and Real Estate	250	250	242	1	8	0.2	3.5
Services	1,089	1,084	1,044	5	45	0.5	4.3
Government	692	693	687	-1	5	-0.1	0.7
Goods Producing Industries[f]	1,309	1,311	1,289	-1	20	-0.1	1.6
Service Producing Industries[g]	3,365	3,357	3,272	8	93	0.2	2.8

[a] Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1986
5,180	4,773	407	7.9	7.2	May
5,197	4,746	451	8.7	7.1	June
5,200	4,777	423	8.1	7.0	July
5,194	4,773	421	8.1	6.9	August
5,174	4,737	437	8.4	7.0	September
5,230	4,813	417	8.0	6.9	October
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February
5,369	4,958	411	7.7	5.6	March
5,277	4,945	332	6.3	5.4	April
5,248	4,922	326	6.2	5.6	May

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural			
		Manufacturing		
			Durable	Nondurable
1986				
May	4,463	1,112	755	356
June	4,464	1,112	755	357
July	4,472	1,108	751	357
August	4,481	1,107	750	357
September	4,484	1,098	742	356
October	4,495	1,098	740	358
November	4,509	1,102	744	358
December	4,521	1,103	745	357
1987				
January	4,532	1,096	740	356
February	4,549	1,099	742	357
March	4,552	1,093	737	356
April	4,552	1,096	738	357
May	4,560	1,094	736	357
June	4,568	1,092	735	357
July	4,567	1,082	725	358
August	4,589	1,095	734	360
September	4,597	1,097	737	360
October	4,610	1,097	736	361
November	4,626	1,100	738	362
December	4,639	1,103	739	364
1988				
January	4,654	1,104	739	366
February	4,665	1,102	737	364
March	4,667	1,096	732	364
April	4,667	1,099	736	363
May	4,674	1,099	736	363

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	
					1986
3,351	23	161	203	244	May
3,352	22	160	198	244	June
3,364	22	160	204	244	July
3,374	22	161	204	244	August
3,385	21	161	204	244	September
3,397	22	163	205	244	October
3,406	22	164	206	244	November
3,418	22	166	206	244	December
					1987
3,436	22	173	206	245	January
3,451	22	174	206	246	February
3,459	21	175	206	246	March
3,457	21	173	206	247	April
3,467	21	174	207	248	May
3,476	21	175	207	248	June
3,484	21	176	207	249	July
3,494	21	177	207	250	August
3,500	21	178	207	251	September
3,514	20	180	208	251	October
3,526	20	182	207	252	November
3,536	20	185	208	253	December
					1988
3,550	20	191	208	253	January
3,563	20	192	207	254	February
3,572	20	192	208	254	March
3,568	20	191	209	254	April
3,575	20	190	209	255	May

	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1986				
May	815	231	996	679
June	818	232	998	679
July	820	233	1006	676
August	823	234	1009	678
September	825	235	1012	683
October	827	237	1017	683
November	828	238	1023	682
December	830	239	1028	684
1987				
January	836	239	1029	686
February	842	240	1035	686
March	845	241	1038	687
April	841	241	1040	687
May	844	242	1044	687
June	845	243	1049	688
July	847	244	1054	686
August	850	245	1057	688
September	852	245	1060	686
October	855	246	1064	690
November	857	246	1069	692
December	859	247	1072	693
1988				
January	864	248	1075	689
February	869	249	1079	692
March	870	249	1084	694
April	868	250	1084	693
May	870	250	1089	692

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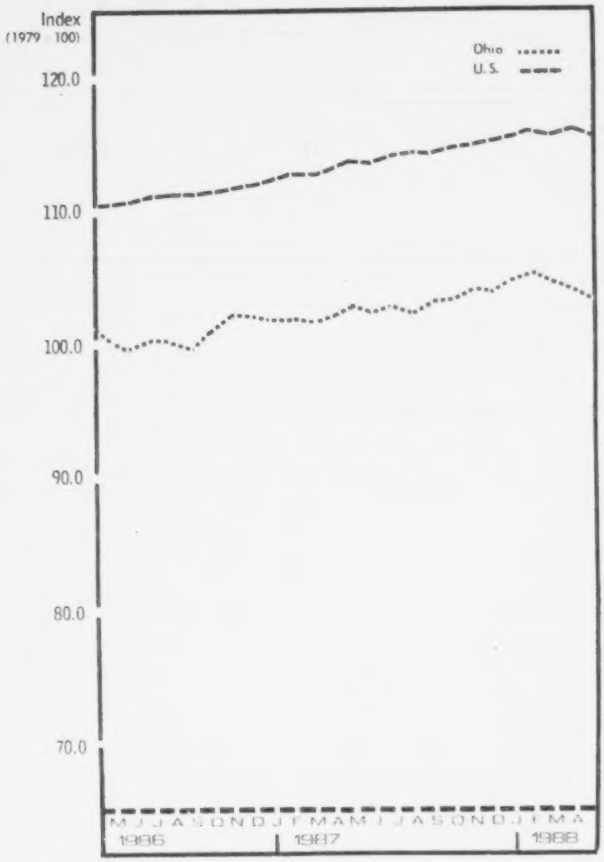
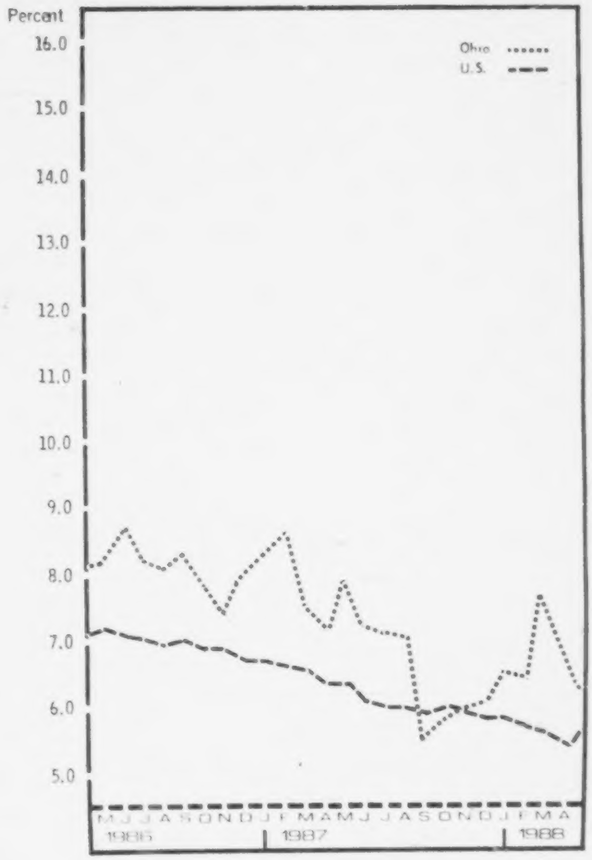
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*



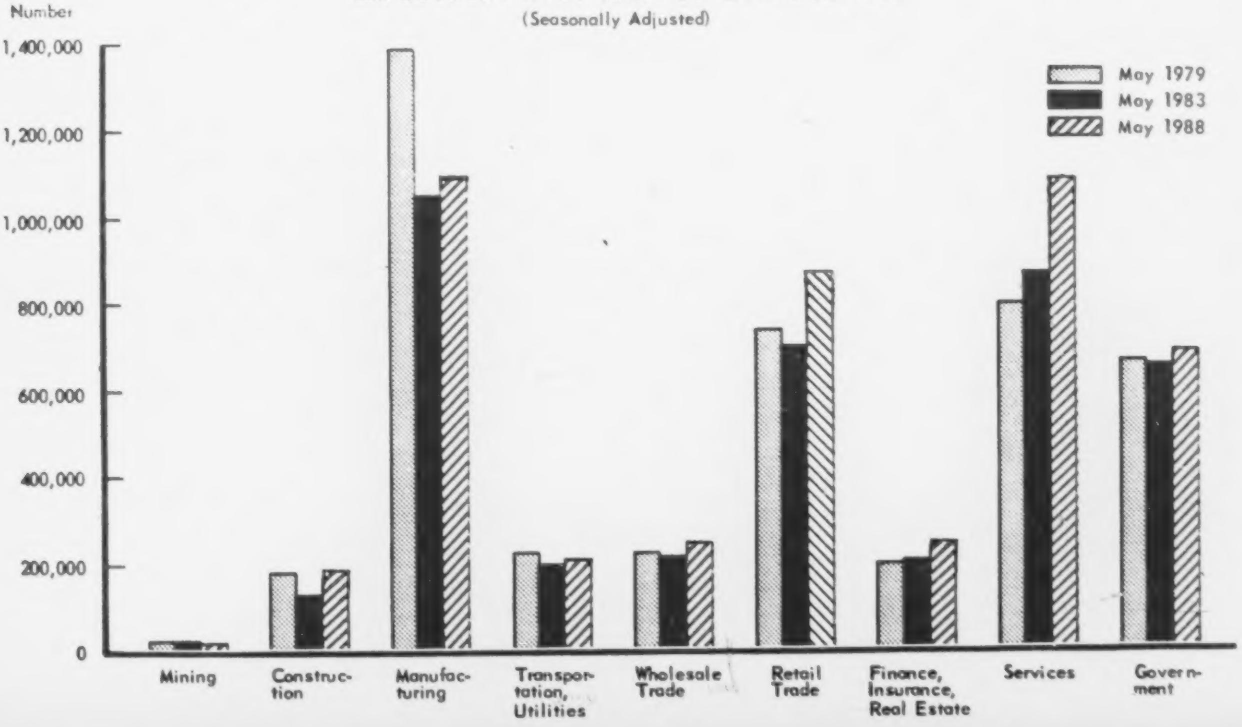
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)

EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,135	4,680	455	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.5
5,231	4,806	425	8.1	7.0	1986	4,471.4	1,109.8	752.7	357.1
5,248	4,881	367	7.0	6.2	1987	4,578.9	1,095.3	736.4	358.9
					1987				
5,275	4,903	372	7.1	6.1	May	4,591.6	1,094.9	738.7	356.2
5,307	4,922	385	7.3	6.3	June	4,611.6	1,097.6	739.1	358.5
5,341	4,982	359	6.7	6.1	July	4,572.3	1,084.3	725.5	358.8
5,289	4,924	365	6.9	5.8	August	4,591.0	1,097.5	733.6	363.9
5,190	4,903	288	5.5	5.7	September	4,641.3	1,108.3	742.1	366.2
5,243	4,940	302	5.8	5.7	October	4,658.8	1,099.8	736.4	363.4
5,285	4,980	305	5.8	5.6	November	4,674.2	1,103.7	740.2	363.6
5,259	4,937	322	6.1	5.4	December	4,676.9	1,102.9	738.6	364.3
					1988				
5,258	4,883	375	7.1	6.3	January	4,565.8	1,094.5	732.6	361.9
5,279	4,905	374	7.1	6.2	February	4,568.8	1,092.4	732.3	360.1
5,295	4,879	416	7.9	5.9	March	4,595.8	1,088.8	729.0	359.7
5,257	4,941	316	6.0	5.3	April	4,653.9	1,097.7	737.1	360.6
5,243	4,941	302	5.8	5.4	May	4,705.8	1,100.3	738.5	361.8

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
					1987				
3,496.7	20.7	175.4	207.0	248.2	May	845.8	241.8	1,053.7	704.2
3,514.0	21.1	184.4	208.5	250.4	June	851.5	244.7	1,065.9	687.5
3,488.0	21.1	192.7	208.6	250.6	July	852.8	246.8	1,068.2	647.1
3,493.5	21.1	196.8	209.1	251.1	August	858.1	247.2	1,068.6	641.4
3,533.0	21.4	196.4	209.3	251.2	September	861.1	246.1	1,074.7	672.7
3,559.0	20.7	198.6	210.0	252.4	October	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	November	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
					1988				
3,471.3	20.1	163.5	203.3	250.9	January	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	February	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	March	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	April	857.3	248.6	1,085.1	705.8
3,605.5	19.9	191.3	209.4	255.3	May	871.3	250.2	1,099.0	709.1

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio[a]

Manufacturing Employment (in thousands)

Production Workers in Manufacturing

Manufacturing						
	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,344.1	945.2	398.9	1977	958.0	$271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,094.9	738.7	356.2	May	747.3	371.9	31.8
1,097.6	739.1	358.5	June	748.3	373.0	31.9
1,084.3	725.5	358.8	July	735.3	356.7	30.8
1,097.5	733.6	363.9	August	749.2	368.9	31.7
1,108.3	742.1	366.2	September	760.8	380.5	32.4
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,092.4	732.3	360.1	February	748.5	376.4	31.7
1,088.8	729.0	359.7	March	744.5	378.6	31.8
1,097.7	737.1	360.6	April	752.3	388.8	32.4
1,100.3	738.5	361.8	May	754.8	392.3	32.6

Production Workers Average Weekly Earnings

Production Workers Average Weekly Hours

Production Workers Average Hourly Earnings

Manufacturing (Average Weekly Earnings)				Manufacturing (Average Weekly Hours)				Manufacturing (Average Hourly Earnings)		
	Durable Goods	Nondurable Goods			Durable Goods	Nondurable Goods			Durable Goods	Nondurable Goods
$283.08	$292.02	$258.34	1977	42.0	42.2	41.4	1977	$6.74	$6.92	$6.24
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
			1987				1987			
497.68	517.45	450.78	May	42.5	42.8	41.7	May	11.71	12.09	10.81
498.42	517.37	453.95	June	42.6	42.9	41.8	June	11.70	12.06	10.86
485.20	501.76	450.02	July	41.9	42.2	41.4	July	11.58	11.89	10.87
492.37	510.00	453.36	August	42.3	42.5	41.9	August	11.64	12.00	10.82
500.12	516.67	461.92	September	42.6	42.7	42.3	September	11.74	12.10	10.92
504.50	524.02	461.07	October	42.9	43.2	42.3	October	11.76	12.13	10.90
511.49	531.57	466.90	November	43.2	43.5	42.6	November	11.84	12.22	10.96
512.67	532.36	469.27	December	43.3	43.6	42.7	December	11.84	12.21	10.99
			1988				1988			
507.61	527.11	464.45	January	42.8	43.1	42.3	January	11.86	12.23	10.98
502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92
508.56	530.56	460.74	March	42.7	43.1	42.0	March	11.91	12.31	10.97
516.86	538.22	465.89	April	43.0	43.3	42.2	April	12.02	12.43	11.04
519.70	544.07	462.84	May	43.2	43.7	42.0	May	12.03	12.45	11.02

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[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.1	94.3	133.2	May	155.0	85.9	151.8	May	62.2	69.7	92.1
48.7	95.0	134.4	June	155.7	85.8	148.5	June	62.9	69.8	92.5
48.1	93.5	131.6	July	153.4	85.9	142.1	July	63.4	70.6	91.6
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.5	99.0	134.8	May	155.6	85.5	141.3	May	62.6	70.6	94.5

Average Weekly Earnings of Production Workers

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.07	634.75	521.86	May	527.79	469.66	686.74	May	441.79	443.35	449.35

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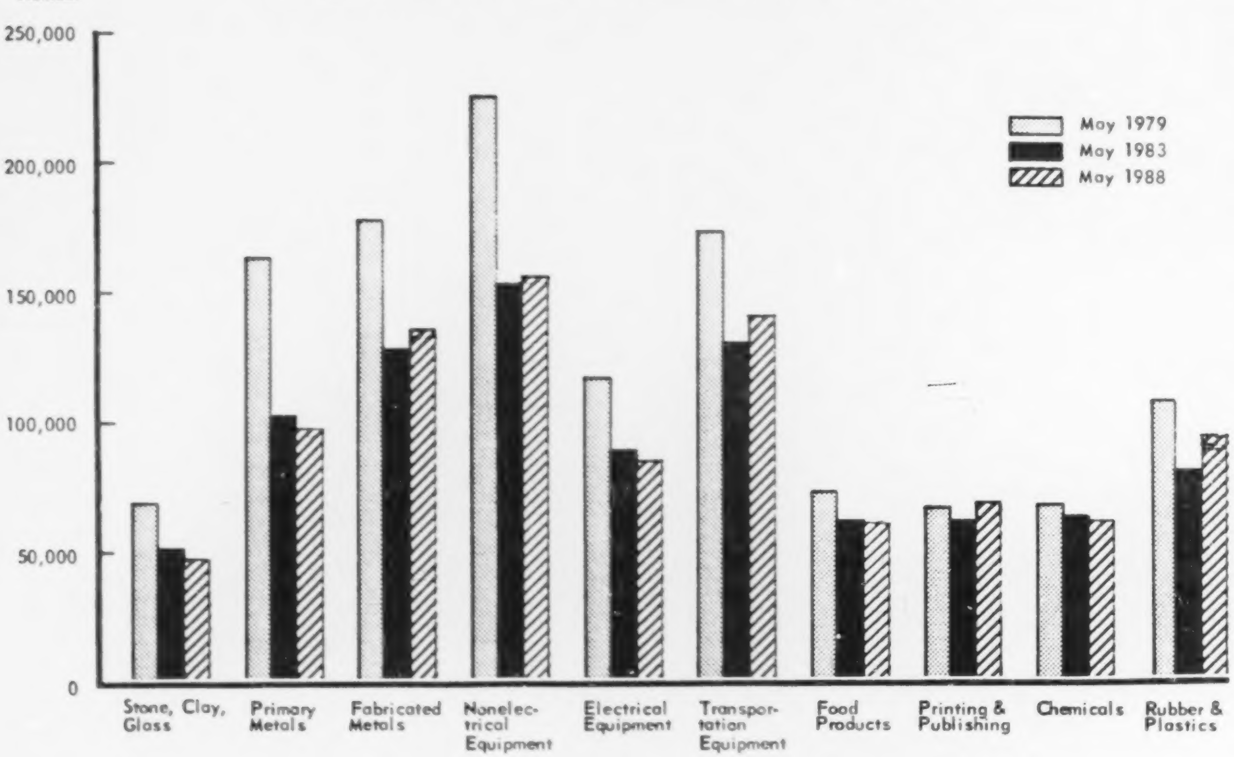
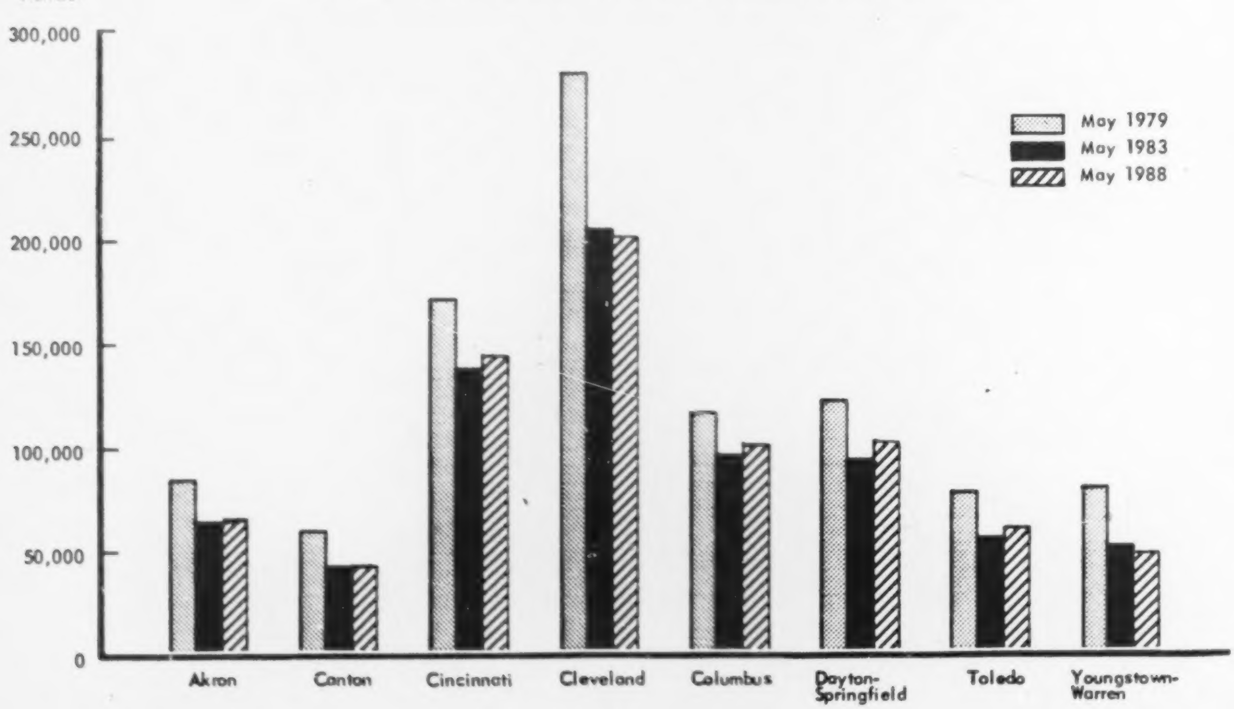
[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.


EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES


MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS

Ohio

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1988[b]	April 1988[c]	May 1987[c]	From Last Month	From Last Year
TOTAL	4705.8	4653.9	4591.6	51.9	114.3
MANUFACTURING	1100.3	1097.7	1094.9	2.6	5.4
Durable Goods[e]	738.5	737.1	738.7	1.5	-.1
Lumber and wood products	21.5	21.1	19.6	.5	1.9
Furniture and fixtures	14.3	14.2	14.2	.1	.1
Stone, clay, and glass products	48.5	47.8	48.1	.7	.4
Glass and glassware, pressed or blown	9.7	9.6	10.1	.1	-.4
Primary metal industries	99.0	98.3	94.3	.7	4.7
Blast furnace and basic steel products	45.3	45.1	42.6	.2	2.7
Iron and steel foundries	21.0	20.5	19.5	.5	1.5
Nonferrous rolling and drawing	17.6	17.5	16.8	.1	.8
Fabricated metal products	134.8	134.2	133.2	.6	1.6
Cutlery, hand tools, and hardware	9.9	9.8	9.5	.1	.3
Fabricated structural metal products	28.4	28.4	29.4	.1	-.9
Metal forgings and stampings	42.7	42.6	42.8	.1	-.1
Machinery, except electrical	155.6	156.2	155.0	-.7	.6
Construction and related machinery	12.5	12.5	12.4	.0	.1
Metalworking machinery	39.6	39.7	40.0	-.1	-.4
Special industry machinery	17.1	16.9	16.5	.2	.6
General industrial machinery	27.7	27.8	27.7	.0	.1
Office and computing machines	13.3	13.6	13.5	-.2	-.2
Refrigeration and service machinery	15.7	16.1	16.3	-.4	-.6
Electric and electronic equipment	85.5	85.2	85.9	.3	-.4
Electrical industrial apparatus	16.6	16.4	15.8	.2	.9
Household appliances	15.4	15.2	16.3	.2	-.9
Electric lighting and wiring equipment	16.9	16.9	17.0	.0	-.1
Communication equipment	10.0	9.9	10.2	.1	-.2
Transportation equipment	141.3	142.0	151.8	-.7	-10.4
Motor vehicles and equipment	92.6	92.7	96.8	.0	-4.1
Aircraft and parts	39.5	39.9	45.5	-.4	-6.0
Instruments and related products	23.4	23.5	22.7	-.1	.7
Measuring and controlling devices	12.8	12.9	12.6	-.1	.2
Nondurable Goods[f]	361.8	360.6	356.2	1.2	5.6
Food and kindred products	62.6	62.1	62.2	.5	.4
Meat products	9.2	9.2	9.4	.0	-.2
Dairy products	10.8	10.7	10.2	.0	.6
Preserved fruits and vegetables	10.4	10.3	10.3	.1	.1
Bakery products	9.0	9.0	9.0	.0	.0
Beverages	9.3	9.3	9.4	.1	-.1
Apparel and other textile products	16.6	16.4	15.8	.2	.8
Paper and allied products	37.6	37.6	36.6	.0	1.0
Misc. converted paper products	12.2	12.2	11.7	.0	.5
Paperboard containers and boxes	13.2	13.2	12.6	.0	.6
Printing and publishing	70.6	70.7	69.7	-.2	.9
Newspapers	19.1	19.1	19.2	.0	-.1
Commercial printing	26.1	26.3	26.1	-.1	.0
Chemicals and allied products	63.3	63.3	63.0	.0	.3
Industrial inorganic chemicals	9.3	9.3	9.3	.0	-.1
Rubber and misc. plastics products	94.5	94.1	92.1	.4	2.4
Tires and inner tubes	17.0	17.0	17.1	.0	-.1
Miscellaneous plastics products	56.6	56.4	54.6	.2	2.0

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1988[b]	April 1988[c]	May 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3605.5	3556.2	3496.7	49.3	108.9
MINING	19.9	19.8	20.7	.1	- .8
Bituminous coal and lignite mining	8.5	8.5	9.2	.0	- .8
Oil and gas extraction	6.6	6.5	6.7	.1	- .2
CONSTRUCTION	191.3	179.1	175.4	12.2	15.9
General building contractors	48.1	45.5	43.7	2.6	4.4
Heavy construction contractors	26.7	22.4	24.3	4.2	2.4
Highway and street construction	12.4	9.5	10.6	2.9	1.8
Special trade contractors	116.6	111.2	107.4	5.3	9.2
TRANSPORTATION AND PUBLIC UTILITIES	209.4	207.2	207.0	2.2	2.4
Railroad transportation	13.5	13.2	14.4	.3	- .9
Transportation, except railroads	106.7	105.1	103.5	1.7	3.3
Trucking and warehousing	73.5	72.4	71.6	1.0	1.9
Communication, electric, gas services	89.2	88.9	89.1	.2	.0
Communication	47.6	47.4	47.2	.2	.3
Electric, gas, and sanitary services	41.6	41.5	41.9	.1	- .3
WHOLESALE TRADE	255.3	253.4	248.2	2.0	7.2
Wholesale trade-durable goods	160.1	159.0	156.1	1.1	4.1
Motor vehicles & automotive equipment	22.3	22.1	21.7	.2	.5
Electrical goods	19.6	19.5	19.3	.1	.3
Machinery, equipment, and supplies	68.5	68.2	66.9	.3	1.6
Wholesale trade-nondurable goods	95.2	94.3	92.1	.9	3.1
Groceries and related products	29.7	29.4	28.6	.3	1.1
RETAIL TRADE	871.3	857.3	845.8	14.1	25.6
General merchandise stores	116.2	115.5	115.4	.7	.8
Department stores	100.9	100.5	100.8	.3	.1
Food stores	132.9	131.6	130.6	1.3	2.4
Automotive dealers & service stations	96.0	95.2	92.5	.8	3.5
Apparel and accessory stores	42.9	42.5	40.8	.4	2.0
Eating and drinking places	310.5	302.7	302.1	7.9	8.4
FINANCE, INSURANCE, AND REAL ESTATE	250.2	248.6	241.8	1.6	8.4
Banking	63.9	63.7	62.7	.2	1.3
Credit agencies other than banks	38.3	38.1	37.1	.2	1.1
Insurance carriers	69.2	69.1	67.6	.1	1.6
Life insurance	25.8	25.7	25.8	.1	.0
Fire, marine, and casualty insurance	30.7	30.7	29.7	.0	1.0
SERVICES	1099.0	1085.1	1053.7	13.9	45.3
Hotels and other lodging places	35.6	34.3	34.7	1.4	.9
Personal services	58.3	60.1	55.8	- 1.9	2.5
Laundry, cleaning, & garment services	19.2	19.1	18.8	.2	.5
Business services	221.1	218.2	206.6	2.9	14.5
Services to buildings	31.3	30.9	29.4	.4	1.8
Computer and data processing services	20.3	20.1	18.2	.2	2.1
Amusement and recreation services	48.5	38.9	47.3	9.6	1.2
Health services	368.0	367.3	357.5	.7	10.5
Nursing and personal care facilities	81.4	81.4	79.1	.0	2.4
Hospitals	178.3	178.1	175.5	.2	2.8
Educational services	62.4	65.3	61.3	- 2.8	1.1
Colleges and universities	32.6	35.6	32.4	- 3.0	.2
GOVERNMENT	709.1	705.8	704.2	3.3	5.0
Federal government	94.5	94.6	94.6	- .1	- .1
State government	162.1	162.6	158.9	- .5	3.1
State government education[1]	87.4	87.5	85.1	- .1	2.3
State government, except education	74.6	75.1	73.8	- .4	.8
Local government	452.6	448.6	450.6	3.9	1.9
Local government education	267.0	265.0	265.3	2.0	1.7
Local government, except education	185.6	183.7	185.4	2.0	.2

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]
MANUFACTURING	$519.70	$516.36	$497.68	43.2	43.0	42.5	$12.03	$12.02	$11.71
Durable Goods[e]	544.07	538.22	517.45	43.7	43.3	42.8	12.45	12.43	12.09
Lumber and wood products	317.75	312.64	306.29	41.7	41.3	41.9	7.62	7.57	7.31
Furniture and fixtures	365.72	354.56	347.44	41.0	40.2	40.4	8.92	8.82	8.60
Stone, clay, and glass products	468.07	459.43	457.52	43.1	42.5	42.6	10.86	10.81	10.74
Glass and glassware, pressed or blown.	489.48	494.91	453.37	41.8	42.3	39.7	11.71	11.70	11.42
Primary metal industries	634.75	631.48	594.49	45.6	45.3	44.2	13.92	13.94	13.45
Blast furnace and basic steel products	657.92	648.07	619.58	46.3	45.8	44.8	14.21	14.15	13.83
Iron and steel foundries	662.73	671.52	617.16	45.8	45.9	44.4	14.47	14.63	13.90
Nonferrous rolling and drawing	646.47	652.94	591.51	43.3	43.5	42.1	14.93	15.01	14.05
Fabricated metal products	521.86	523.50	495.33	43.2	43.3	42.3	12.08	12.09	11.71
Cutlery, hand tools, and hardware	496.10	498.54	476.95	41.0	41.1	40.8	12.10	12.13	11.69
Fabricated structural metal products	446.13	452.76	459.23	41.5	42.0	42.6	10.75	10.78	10.78
Metal forgings and stampings	658.84	660.29	604.47	45.5	45.6	43.3	14.48	14.48	13.96
Machinery, except electrical	527.79	528.23	497.14	43.8	43.8	42.6	12.05	12.06	11.67
Construction and related machinery	413.70	416.57	427.23	40.4	40.8	41.6	10.24	10.21	10.27
Metalworking machinery	494.56	500.09	473.71	44.0	44.1	42.6	11.24	11.34	11.12
Special industry machinery	507.55	505.12	483.84	44.6	44.0	43.2	11.38	11.48	11.20
General industrial machinery	559.33	560.90	514.00	43.8	44.2	42.2	12.77	12.69	12.18
Office and computing machines	418.41	421.78	421.08	40.9	40.4	43.5	10.23	10.44	9.68
Refrigeration and service machinery	651.70	624.59	558.78	45.1	43.8	42.3	14.45	14.26	13.21
Electric and electronic equipment	469.66	472.92	463.14	41.6	42.0	41.5	11.29	11.26	11.16
Electrical industrial apparatus	470.38	478.16	466.62	42.3	43.0	42.0	11.12	11.12	11.11
Household appliances	490.04	489.23	478.53	40.6	40.6	40.9	12.07	12.05	11.70
Electric lighting and wiring equipment	481.82	490.36	470.50	41.5	42.2	41.2	11.61	11.62	11.42
Communication equipment	502.67	494.91	531.22	42.1	41.8	43.4	11.94	11.84	12.24
Transportation equipment	686.74	662.64	634.04	45.6	44.0	44.0	15.06	15.06	14.41
Motor vehicles and equipment	721.52	703.35	654.89	46.4	45.0	44.1	15.55	15.63	14.85
Aircraft and parts	598.56	550.22	589.62	43.5	41.0	44.1	13.76	13.42	13.37
Instruments and related products	356.85	357.63	365.31	39.0	39.3	40.1	9.15	9.10	9.11
Measuring and controlling devices	352.59	351.59	360.30	38.2	38.3	38.7	9.23	9.18	9.31
Nondurable Goods[f]	462.84	465.89	450.78	42.0	42.2	41.7	11.02	11.04	10.81
Food and kindred products	441.79	443.22	440.11	41.6	41.5	42.4	10.62	10.68	10.38
Meat products	385.81	354.92	384.45	41.8	39.7	43.1	9.23	8.94	8.92
Dairy products	458.71	455.99	458.17	42.2	42.3	42.7	10.87	10.78	10.73
Preserved fruits and vegetables	442.00	476.15	427.68	40.0	42.1	40.5	11.05	11.31	10.56
Bakery products	471.95	462.95	466.80	40.2	39.2	40.0	11.74	11.81	11.67
Beverages	434.66	426.54	443.66	41.2	40.7	43.2	10.55	10.48	10.27
Apparel and other textile products	305.07	297.31	275.59	40.3	39.8	37.7	7.57	7.47	7.31
Paper and allied products	492.80	503.10	508.27	44.0	44.8	45.3	11.20	11.23	11.22
Misc. converted paper products	441.23	439.78	452.76	43.6	43.2	44.0	10.12	10.18	10.29
Paperboard containers and boxes	439.64	439.49	459.96	43.4	43.6	44.7	10.13	10.08	10.29
Printing and publishing	443.35	440.95	418.88	39.2	39.3	38.5	11.31	11.22	10.88
Newspapers	375.45	370.19	374.85	34.7	34.5	35.7	10.82	10.73	10.50
Commercial printing	435.89	440.64	404.69	40.1	40.8	39.1	10.87	10.80	10.35
Chemicals and allied products	546.07	548.63	531.71	42.2	42.3	41.9	12.94	12.97	12.69
Industrial inorganic chemicals	586.38	592.21	588.67	43.5	43.9	43.0	13.48	13.49	13.69
Rubber and misc. plastics products	449.35	453.10	435.27	43.0	43.4	42.3	10.45	10.44	10.29
Tires and inner tubes	684.68	685.33	596.94	46.2	46.4	43.7	14.82	14.77	13.66
Miscellaneous plastics products	431.11	436.17	423.95	42.6	43.1	42.1	10.12	10.12	10.07

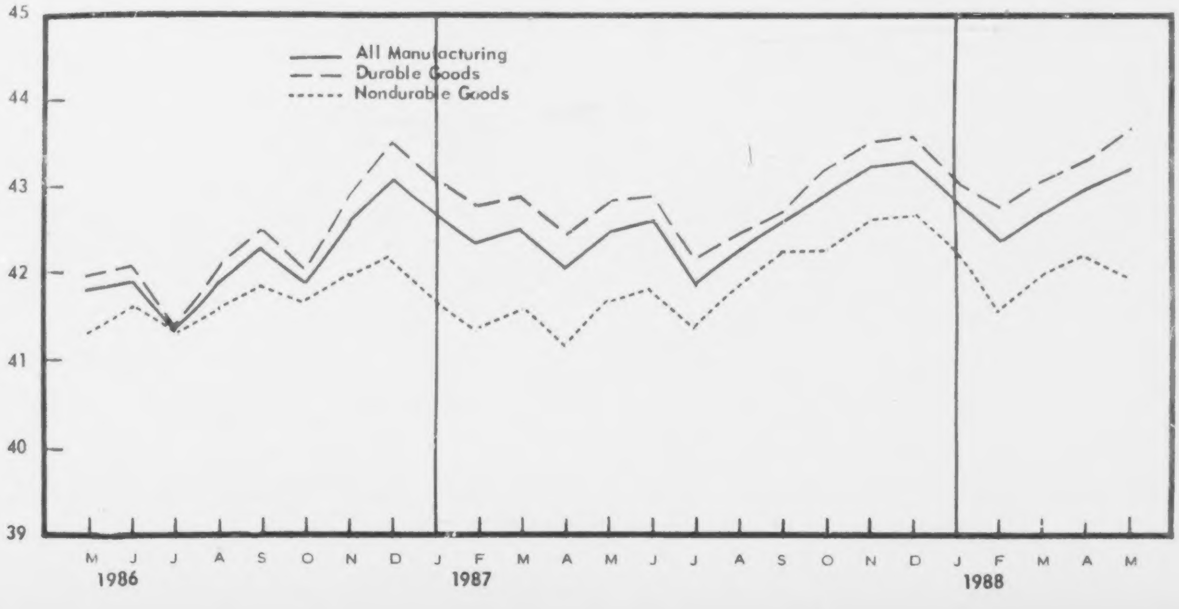
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

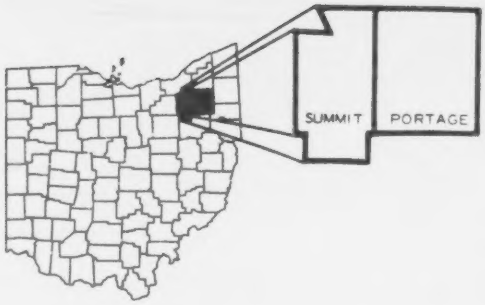
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]
MINING	$537.11	$539.30	$525.16	42.9	42.7	42.8	$12.52	$12.63	$12.27
Bituminous coal and lignite mining	647.36	652.13	617.72	41.9	42.1	40.4	15.45	15.49	15.29
CONSTRUCTION	573.92	560.71	562.11	38.7	38.3	38.9	14.83	14.64	14.45
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	564.83	559.63	543.63	40.9	40.7	40.6	13.81	13.75	13.39
Communication	538.54	533.97	526.40	40.1	39.7	40.0	13.43	13.45	13.16
Electric, gas, and sanitary services	596.66	590.79	567.72	41.9	41.9	41.5	14.24	14.10	13.68
WHOLESALE TRADE	389.46	387.09	375.71	39.3	39.1	39.3	9.91	9.90	9.56
Wholesale trade-durable goods	383.36	382.59	370.44	39.4	39.2	39.2	9.73	9.76	9.45
Wholesale trade-nondurable goods	397.80	393.82	384.73	39.0	38.8	39.5	10.20	10.15	9.74
RETAIL TRADE[h]	164.72	164.71	160.17	28.4	28.3	28.5	5.80	5.82	5.62
General merchandise stores	177.16	177.10	181.40	28.3	28.2	29.4	6.26	6.28	6.17
Department stores	181.48	181.40	187.03	28.4	28.3	29.5	6.39	6.41	6.34
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	265.46	266.61	260.96	....	....	....	.....	.....	.....
Credit agencies other than banks	267.00	264.15	249.18	....	....	....	.....	.....	.....
Insurance carriers	373.41	372.02	344.83	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	338.28	337.95	327.03	33.1	33.1	32.9	10.22	10.21	9.94

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



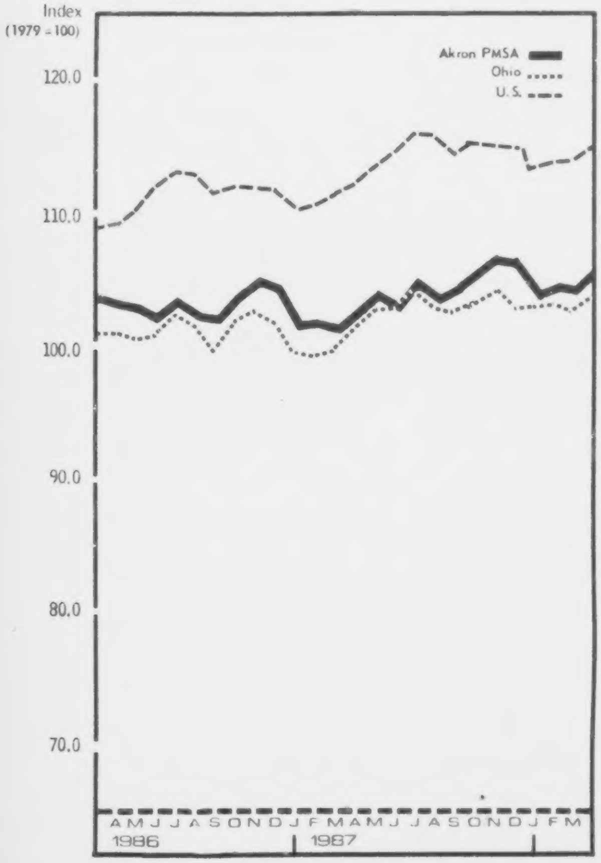
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



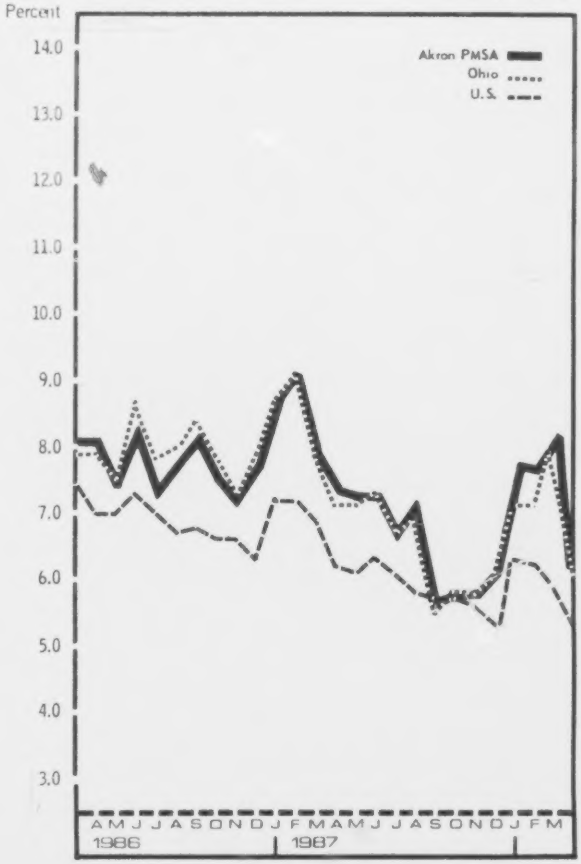
Total nonfarm payroll employment in the Akron metropolitan area was 273,700 in May, 3,600 above the April 1988 level. Seasonal growth in services, especially amusement and recreation services, and in construction contributed most to the improvement. Manufacturing employment decreased 100, to 66,800. Production workers averaged $11.76 per hour, up $.03 from last month. Their average workweek was .2 hours shorter, at 43.5 hours.

Between May 1987 and May 1988, nonagricultural wage and salary employment advanced 7,800. Nonmanufacturing sectors provided 91.0 percent of the growth. Significant improvements occurred in services and state and local schools and colleges. The manufacturing workforce gained 700 jobs over the year with modest expansion in nonelectrical machinery and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



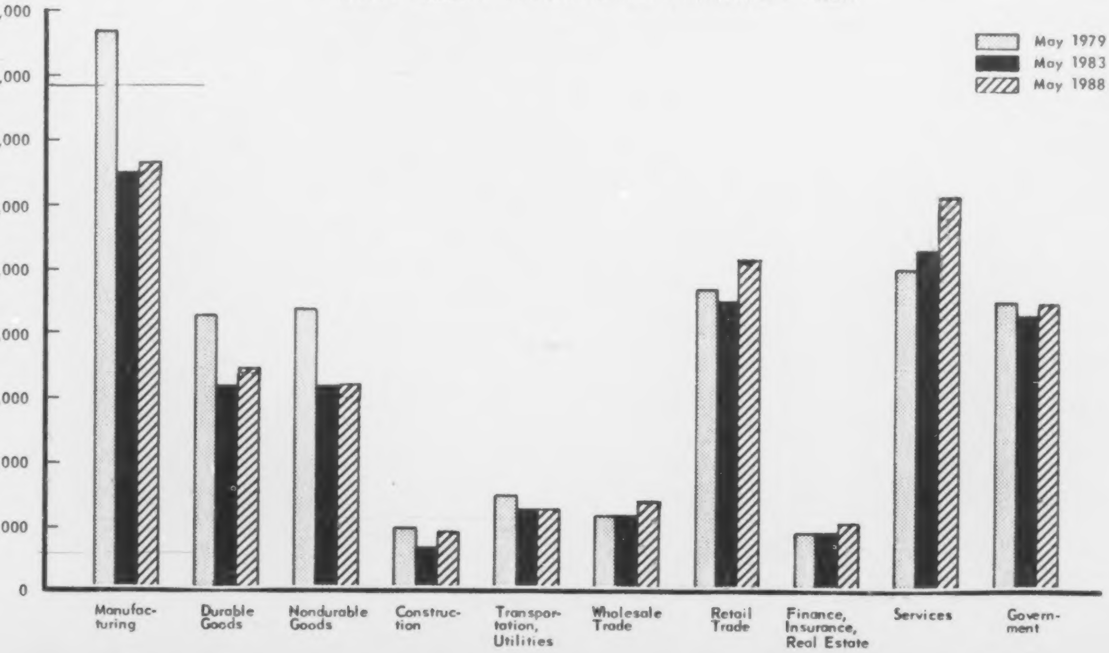
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
318.2	294.7	23.5	7.4	April	262.6	66.1	35.7	483.75	43.0	11.25
321.7	298.3	23.5	7.3	May	265.9	66.1	35.7	487.19	43.0	11.33
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.4	301.5	19.9	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
INA	INA	INA	INA	May	273.7	66.8	36.9	511.56	43.5	11.76

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1988[b]	April 1988[c]	May 1987[c]	From Last Month	From Last Year
TOTAL	273.7	270.1	265.9	3.6	7.8
MANUFACTURING	66.8	66.9	66.1	- .1	.7
Durable Goods[e]	34.5	34.6	34.1	- .1	.4
Fabricated metal products	11.6	11.5	11.4	.1	.1
Machinery, except electrical	9.7	9.7	9.3	.0	.4
Metalworking machinery	3.5	3.4	3.2	.1	.3
Nondurable Goods[f]	32.3	32.3	32.0	.0	.3
Food and kindred products	2.9	2.9	2.9	.0	.0
Chemicals and allied products	2.9	3.0	3.0	- .1	- .1
Rubber and misc. plastics products	20.9	20.9	20.6	.0	.3
Tires and inner tubes	12.7	12.7	12.9	.0	- .2
NONMANUFACTURING[g]	207.0	203.2	199.8	3.8	7.1
CONSTRUCTION	9.5	8.7	9.0	.8	.5
TRANSPORTATION AND PUBLIC UTILITIES	12.9	12.8	12.8	.1	.1
Communication, electric, gas services	5.3	5.3	5.2	.0	.0
WHOLESALE TRADE	14.4	14.2	13.9	.2	.5
RETAIL TRADE	52.0	51.6	51.4	.4	.6
General merchandise stores	5.9	5.8	6.1	.1	- .2
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.7	10.5	.1	.4
Banking	3.3	3.3	3.1	.0	.1
SERVICES	61.6	59.8	57.6	1.8	4.0
Business services	11.7	11.5	10.7	.2	1.0
Amusement and recreation services	4.4	3.4	3.8	1.0	.6
Health services	20.2	20.1	19.0	.1	1.3
GOVERNMENT	45.2	45.0	44.2	.2	1.1
State government	17.0	16.9	15.7	.1	1.3
State government education[1]	14.0	13.9	12.7	.0	1.3
State government, except education	3.0	3.0	3.0	.0	.0
Local government	25.9	25.7	26.1	.2	- .2
Local government education	15.0	14.9	14.6	.0	.4
Local government, except education	11.0	10.8	11.5	.2	- .6

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

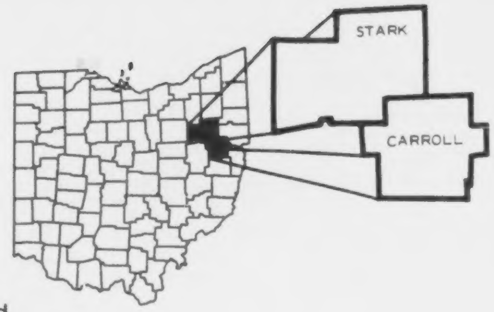
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]
MANUFACTURING	$511.56	$512.60	$487.19	43.5	43.7	43.0	$11.76	$11.73	$11.33
Durable Goods[e]	534.36	534.26	518.76	43.8	43.9	44.0	12.20	12.17	11.79
Fabricated metal products	707.97	713.23	634.37	46.7	46.8	44.8	15.16	15.24	14.16
Machinery, except electrical	456.44	458.20	481.84	44.1	44.1	46.6	10.35	10.39	10.34
Metalworking machinery	470.25	476.41	479.87	45.0	45.2	47.0	10.45	10.54	10.21
Nondurable Goods[f]	479.70	481.74	441.38	43.1	43.4	41.6	11.13	11.10	10.61
Food and kindred products	453.65	443.93	452.45	42.2	42.4	41.7	10.75	10.47	10.85
Chemicals and allied products	513.17	496.78	461.04	43.6	42.9	40.8	11.77	11.58	11.30
Rubber and misc. plastics products	499.46	506.21	445.84	44.2	44.6	42.1	11.30	11.35	10.59
Tires and inner tubes	789.66	790.15	641.89	49.2	49.2	43.4	16.05	16.06	14.79
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	568.41	558.90	549.40	41.1	40.5	41.0	13.83	13.80	13.40
WHOLESALE TRADE	349.15	349.65	324.75	38.2	37.8	37.5	9.14	9.25	8.66
RETAIL TRADE[h]	195.31	194.38	195.60	31.3	31.1	31.6	6.24	6.25	6.19

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	2,621	2,223	2,513
Active File of Job Seekers	17,763	17,652	15,027
Referrals to Jobs	1,492	1,006	1,491
Placements	339	347	504
Job Openings Received	946	1,013	835
Job Openings Unfilled	1,582	1,159	2,010
Unemployment Insurance Program			
Initial Claims	2,153	2,074	2,656
Continued Claims	22,128	26,945	28,180
First Payments	823	1,065	1,203
Last Payments	394	421	524
Weeks Compensated	17,034	24,925	23,520
Benefits Paid	$2,580,200	$3,840,322	$3,531,985
Average Weekly Payment	$155.01	$157.23	$153.37

CANTON
METROPOLITAN STATISTICAL AREA

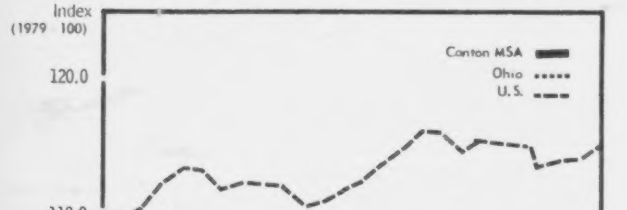


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

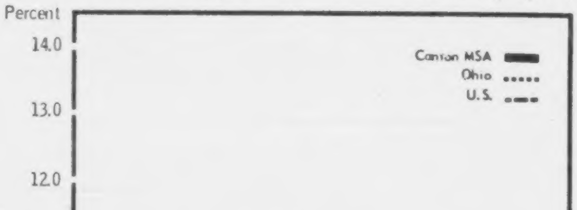
In the Canton metropolitan area, nonagricultural wage and salary employment rose 2,300 from April, to 160,600 in May 1988. Nonmanufacturing employment increased 2,000 due to growth in construction, retail trade, local government, and services. Scattered gains in nondurable-goods industries increased manufacturing employment 300. Factory workers averaged $11.42 per hour, unchanged from April. Their average workweek, 43.4 hours, was .2 hours longer.

Total nonfarm payroll employment increased 4,300 between May 1987 and May 1988. Significant improvements were recorded in construction, services, and retail trade. The manufacturing employment level was unchanged from a year ago, at 43,500. Declines in fabricated metal products and food and kindred products offset scattered gains.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

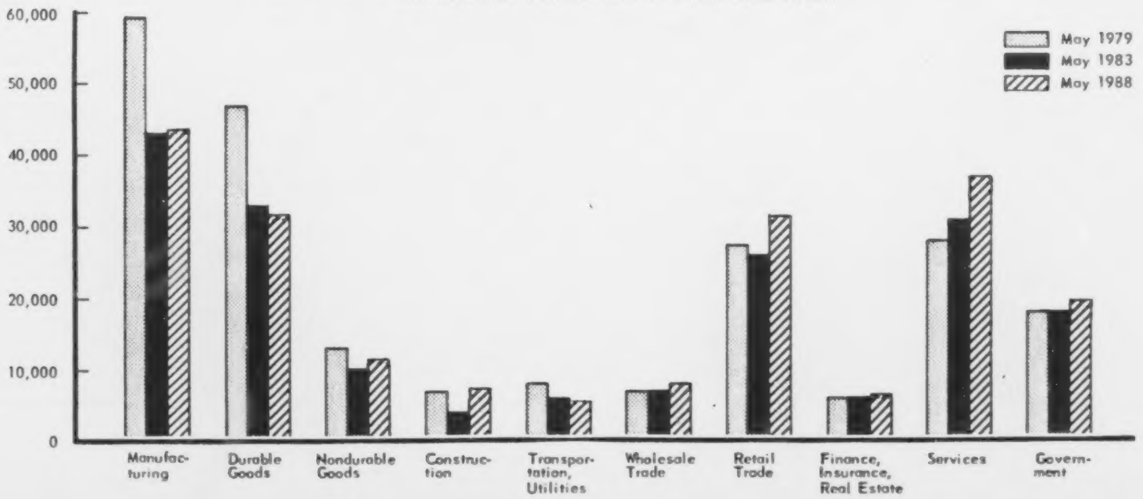


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
189.1	172.4	16.8	8.9	April	154.3	43.3	30.5	471.03	41.5	11.35
191.2	174.4	16.7	8.7	May	156.3	43.5	30.6	486.35	42.7	11.39
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
189.1	176.0	13.1	6.9	April	158.3	43.2	30.6	493.34	43.2	11.42
INA	INA	INA	INA	May	160.6	43.5	31.0	495.63	43.4	11.42

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1988[b]	April 1988[c]	May 1987[c]	From Last Month	From Last Year
TOTAL	160.6	158.3	156.3	2.3	4.3
MANUFACTURING	43.5	43.2	43.5	.3	.0
Durable Goods[e]	31.9	31.8	31.9	.0	-.1
Primary metal industries	10.6	10.6	10.5	.1	.1
Fabricated metal products	6.2	6.2	6.5	.0	-.3
Metal forgings and stampings	1.9	1.9	2.2	.0	-.3
Nondurable Goods[f]	11.7	11.4	11.5	.3	.1
Food and kindred products	3.3	3.3	3.6	.1	-.3
Rubber and misc. plastics products	3.0	3.0	2.8	.1	.2
NONMANUFACTURING[g]	117.1	115.1	112.8	2.0	4.3
CONSTRUCTION	7.3	6.6	5.9	.7	1.4
TRANSPORTATION AND PUBLIC UTILITIES	5.9	5.8	5.7	.0	.1
Communication, electric, gas services	2.6	2.6	2.6	.0	.0
WHOLESALE TRADE	8.1	8.0	8.0	.0	.0
Wholesale trade-durable goods	4.5	4.5	4.4	.0	.1
RETAIL TRADE	31.9	31.5	30.9	.4	1.0
General merchandise stores	3.9	3.8	3.8	.1	.1
Food stores	5.1	5.1	5.0	.0	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.5	.0	.0
Banking	1.9	1.9	1.8	.0	.0
SERVICES	37.0	36.7	35.6	.3	1.4
Health services	15.4	15.4	15.0	.0	.4
GOVERNMENT	19.5	19.1	19.2	.4	.3
State government (includes education)	1.8	1.8	1.8	.0	.0
Local government	16.3	15.9	16.0	.4	.2
Local government education	9.4	9.3	9.7	.1	-.3
Local government, except education	6.9	6.6	6.4	.3	.5

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

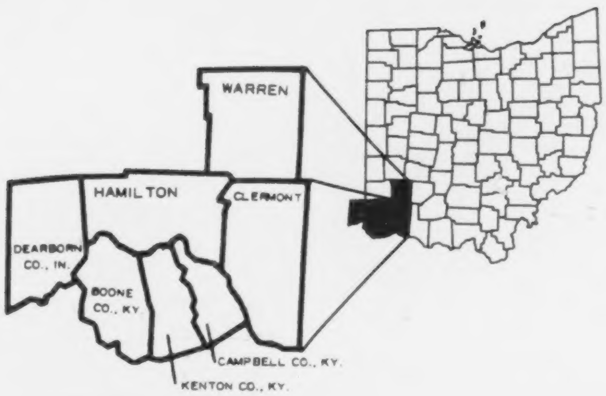
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]
MANUFACTURING	$495.63	$493.34	$486.35	43.4	43.2	42.7	$11.42	$11.42	$11.39
Durable Goods[e]	518.15	516.53	511.92	43.8	43.7	43.2	11.83	11.82	11.85
Primary metal industries	619.88	616.90	618.45	47.5	47.2	46.5	13.05	13.07	13.30
Fabricated metal products	436.54	431.14	475.45	41.3	41.1	42.3	10.57	10.49	11.24
Metal forgings and stampings	578.24	581.93	613.60	40.1	40.3	42.7	14.42	14.44	14.37
Nondurable Goods[f]	425.63	418.14	407.36	42.1	41.4	40.9	10.11	10.10	9.96
Food and kindred products	453.06	416.57	446.95	41.3	38.5	43.1	10.97	10.82	10.37
Rubber and misc. plastics products	419.15	430.68	417.73	41.5	42.1	41.4	10.10	10.23	10.09
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services ..	545.40	585.01	548.63	40.4	42.3	41.5	13.50	13.83	13.22
WHOLESALE TRADE	379.38	381.78	366.92	37.6	37.8	37.1	10.09	10.10	9.89
RETAIL TRADE[h]	157.04	157.90	155.69	28.5	28.4	29.1	5.51	5.56	5.35

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	1,343	1,380	1,104
Active File of Job Seekers	12,276	12,506	13,112
Referrals to Jobs	1,129	1,156	1,198
Placements	183	144	185
Job Openings Received	629	531	1,234
Job Openings Unfilled	1,103	833	1,304
Unemployment Insurance Program			
Initial Claims	1,403	1,422	1,990
Continued Claims	14,343	18,033	18,630
First Payments	566	723	855
Last Payments	237	269	330
Weeks Compensated	10,828	15,793	15,335
Benefits Paid	$1,529,491	$2,270,132	$2,222,479
Average Weekly Payment	$145.82	$147.62	$149.72

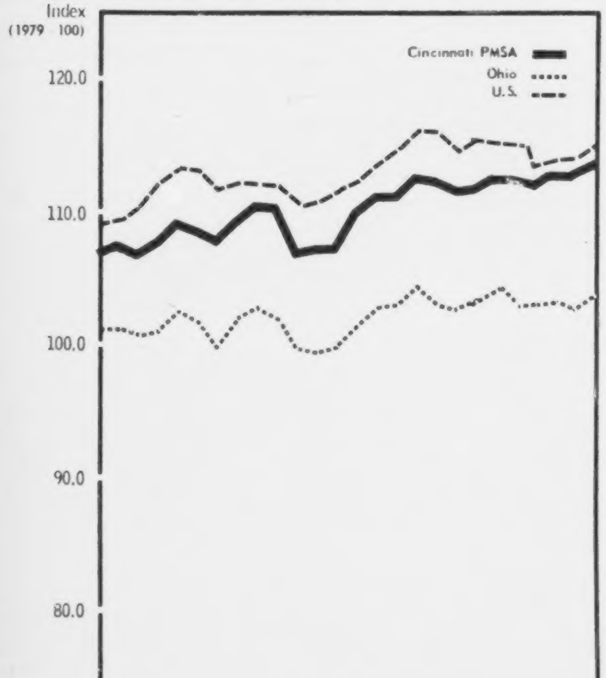
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



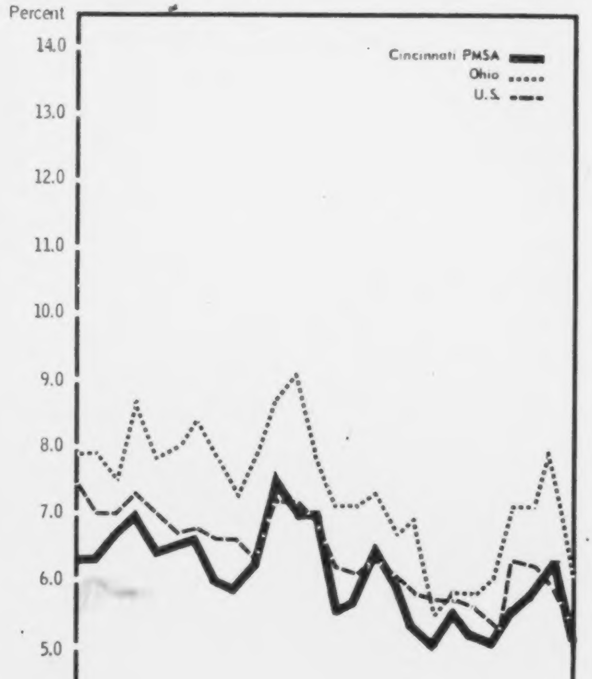
Nonfarm wage and salary employment in the Cincinnati metropolitan area totaled 699,300 in May, a gain of 6,100 from April 1988. The improvement was concentrated in the nonmanufacturing sector. Seasonal increases in services, especially amusement and recreation services, retail trade, and construction contributed 90.2 percent of the additional workforce. Manufacturing employment was unchanged over the month at 143,800. The loss of 200 workers in transportation equipment offset slight improvements in fabricated metal products and electric and electronic equipment. Production workers earned an average of $11.05 per hour, up $.04 from April. Their average workweek, 42.1 hours, was .1 hours longer.

Nonagricultural payroll employment rose 19,800 between May 1987 and May 1988. The nonmanufacturing sector advanced 23,600 over the year. Major growth sectors were services, retail trade, and construction. Manufacturing employment declined 3,800 during the period due to significant reductions in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
737.7	697.3	40.4	5.5	April	673.1	146.9	94.8	459.38	41.8	10.99
744.4	703.0	41.4	5.6	May	679.6	147.6	95.3	466.15	42.3	11.02
750.4	701.8	48.6	6.5	June	680.2	144.7	92.0	466.52	42.8	10.90
756.6	712.1	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.1	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.1	April	693.2	143.8	91.8	462.42	42.0	11.01
INA	INA	INA	INA	May	699.3	143.8	91.9	465.21	42.1	11.05

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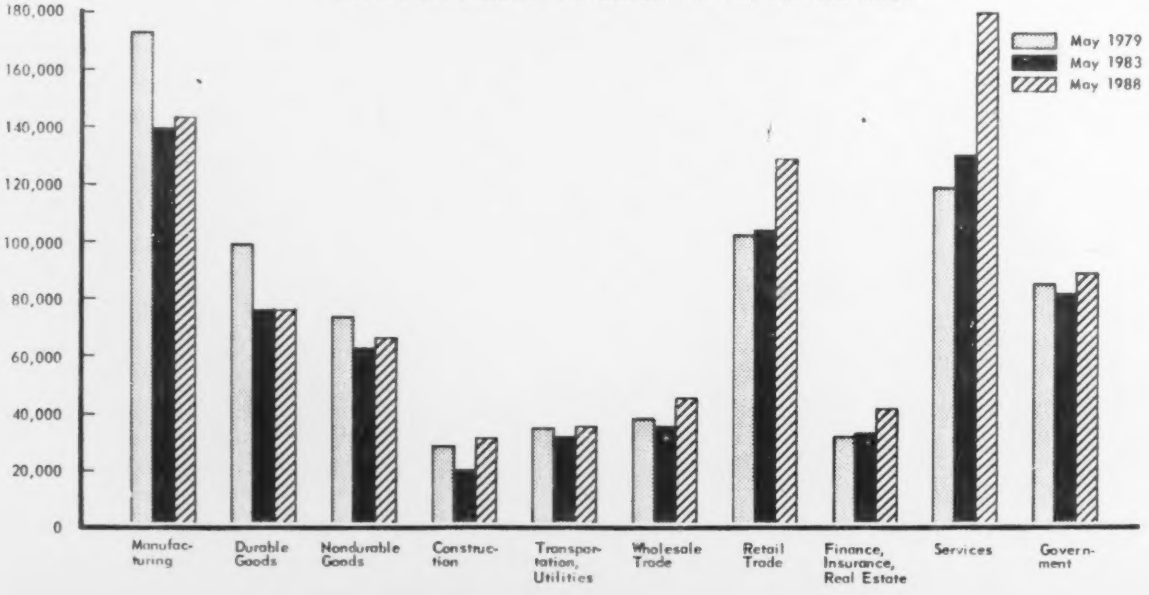
EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1988[b]	April 1988[c]	May 1987[c]	From Last Month	From Last Year
TOTAL	699.3	693.2	679.6	6.1	19.8
MANUFACTURING	143.8	143.8	147.6	.0	- 3.8
Durable Goods[e]	76.9	76.7	81.3	.2	- 4.5
Fabricated metal products	10.0	9.9	10.6	.1	- .6
Fabricated structural metal products	3.8	3.8	4.4	.0	- .6
Machinery, except electrical	20.4	20.4	20.8	.0	- .4
Metalworking machinery	7.9	7.8	8.3	.0	- .5
General industrial machinery	3.0	3.0	2.9	.0	.0
Electric and electronic equipment	7.8	7.6	7.4	.1	.4
Transportation equipment	24.2	24.4	29.0	- .2	- 4.8
Motor vehicles and equipment	4.9	4.8	8.5	.0	- 3.7
Nondurable Goods[f]	66.9	67.1	66.3	- .2	.6
Food and kindred products	13.4	13.4	13.1	.0	.3
Beverages	3.5	3.5	3.6	.0	- .1
Apparel and other textile products	3.8	3.9	3.6	- .1	.2
Paper and allied products	5.9	5.9	6.1	.0	- .2
Printing and publishing	13.0	13.2	13.3	- .3	- .3
Commercial printing	5.6	5.8	5.8	- .2	- .1
Chemicals and allied products	22.5	22.4	22.2	.1	.3
Rubber and misc. plastics products	5.9	5.9	5.6	.0	.3
NONMANUFACTURING[g]	555.6	549.4	532.0	6.1	23.6
CONSTRUCTION	32.4	30.9	28.9	1.4	3.4
TRANSPORTATION AND PUBLIC UTILITIES	36.4	36.2	35.2	.3	1.3
Trucking and warehousing	10.4	10.3	9.9	.1	.6
Communication, electric, gas services	15.0	14.9	14.9	.1	.0
WHOLESALE TRADE	45.4	45.1	43.7	.2	1.6
Wholesale trade-durable goods	26.9	26.8	25.8	.2	1.1
RETAIL TRADE	129.4	127.9	125.4	1.5	4.0
General merchandise stores	17.0	16.9	17.6	.1	- .7
FINANCE, INSURANCE, AND REAL ESTATE	41.9	41.7	40.0	.2	1.8
Banking	9.1	9.1	8.7	.0	.4
Insurance carriers	14.3	14.2	13.7	.0	.5
SERVICES	180.0	177.4	169.1	2.6	10.9
Hotels and other lodging places	7.0	6.7	6.5	.3	.5
Personal services	8.7	9.0	8.2	- .4	.5
Business services	42.7	42.2	38.7	.5	4.0
Amusement and recreation services	10.3	8.5	10.0	1.8	.2
Health services	54.4	54.3	51.9	.1	2.5
Hospitals	25.7	25.6	24.9	.0	.8
GOVERNMENT	89.6	89.6	89.3	.0	.4
Federal government	15.5	15.9	15.2	- .5	.3
State government	19.8	20.0	20.4	- .2	- .6
State government education[i]	12.1	12.3	12.4	- .1	- .3
State government, except education	7.7	7.7	7.9	- .1	- .2
Local government	54.3	53.7	53.7	.7	.7
Local government education	31.5	31.0	31.4	.4	.1
Local government, except education	22.9	22.7	22.3	.2	.6

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]
MANUFACTURING	$465.21	$462.42	$466.15	42.1	42.0	42.3	$11.05	$11.01	$11.02
Durable Goods[e]	459.14	456.79	467.42	42.2	42.1	42.3	10.88	10.85	11.05
Fabricated metal products	419.47	416.37	426.17	42.2	42.1	43.8	9.94	9.89	9.73
Fabricated structural metal products	433.57	426.86	457.63	43.4	42.9	45.4	9.99	9.95	10.08
Machinery, except electrical	428.00	428.24	405.15	42.8	42.4	41.3	10.00	10.10	9.81
Metalworking machinery	494.14	490.42	451.98	44.8	43.4	42.4	11.03	11.30	10.66
General industrial machinery	426.31	423.72	409.47	44.5	44.0	43.7	9.58	9.63	9.37
Electric and electronic equipment	323.92	328.64	351.43	38.7	38.8	39.8	8.37	8.47	8.83
Transportation equipment	692.80	673.95	658.01	45.4	44.9	44.4	15.26	15.01	14.82
Motor vehicles and equipment	852.00	834.16	700.57	50.0	49.3	44.2	17.04	16.92	15.85
Nondurable Goods[f]	471.24	468.72	464.88	42.0	42.0	42.3	11.22	11.16	10.99
Food and kindred products	492.06	487.21	493.55	41.7	41.5	43.6	11.80	11.74	11.32
Beverages	519.17	519.17	533.20	41.6	41.6	43.0	12.48	12.48	12.40
Apparel and other textile products	234.00	229.46	217.88	39.0	38.5	38.7	6.00	5.96	5.63
Paper and allied products	424.69	424.30	431.57	42.3	42.6	42.9	10.04	9.96	10.06
Printing and publishing	454.80	457.14	440.27	40.0	40.1	39.7	11.37	11.40	11.09
Commercial printing	486.20	487.92	469.96	42.5	42.8	41.7	11.44	11.40	11.27
Chemicals and allied products	559.37	547.26	547.84	42.7	42.0	42.7	13.10	13.03	12.83
Rubber and misc. plastics products	407.39	434.78	439.18	43.9	46.5	45.7	9.28	9.35	9.61
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	556.54	545.76	525.49	40.3	40.1	39.6	13.81	13.61	13.27
WHOLESALE TRADE	406.59	398.38	388.24	40.7	40.2	40.4	9.99	9.91	9.61
RETAIL TRADE[h]	165.88	166.73	159.57	29.0	29.2	28.7	5.72	5.71	5.56
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	259.38	260.41	258.32	....	....	....	.....	.....	.....

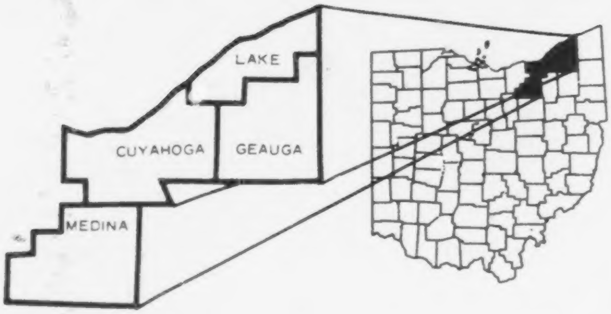
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	2,267	2,439	2,464
Active File of Job Seekers	21,228	22,591	15,202
Referrals to Jobs	1,560	1,754	2,015
Placements	291	421	441
Job Openings Received	1,397	1,068	1,353
Job Openings Unfilled	1,819	2,082	3,258
Unemployment Insurance Program			
Initial Claims	3,244	3,699	3,120
Continued Claims	38,492	45,097	36,331
First Payments	1,855	1,929	1,432
Last Payments	560	650	663
Weeks Compensated	30,067	35,848	32,116
Benefits Paid	$4,666,854	$5,540,033	$4,600,603
Average Weekly Payment	$157.31	$157.39	$146.16

[a] Ohio data only

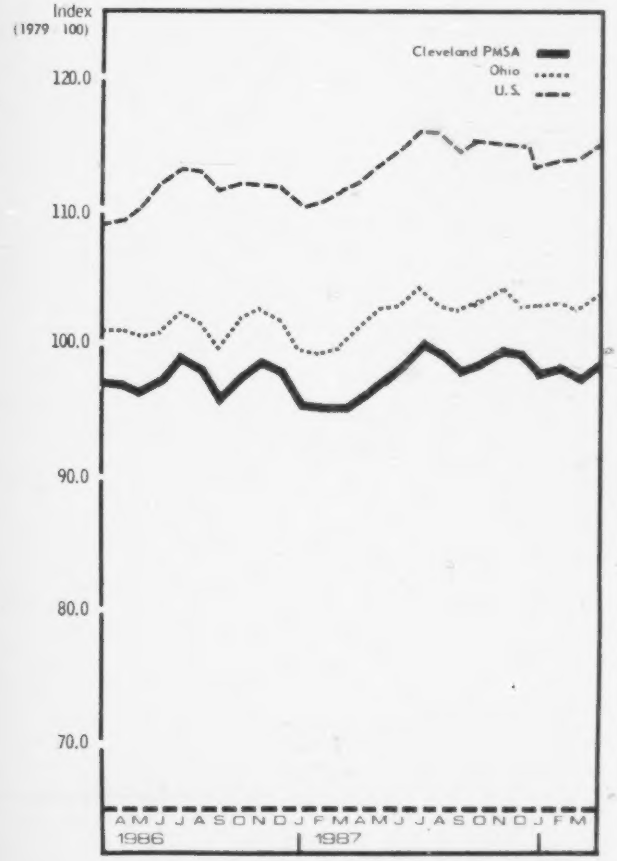
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



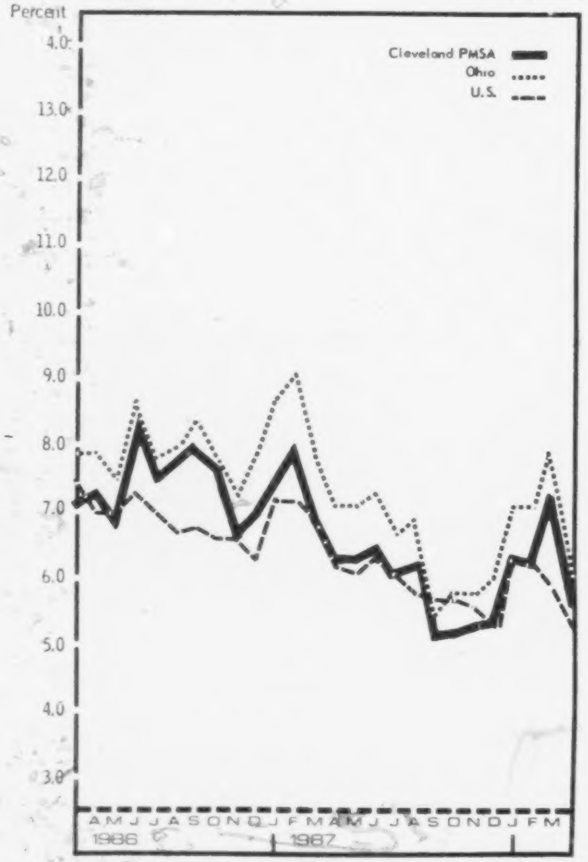
In May 1988, nonfarm wage and salary employment in the Cleveland metropolitan area advanced 8,000 above the April level, to 910,000. Seasonal hiring in retail trade, services, and construction contributed most to the improvement. Manufacturing employment increased 600, to 202,300. The major portion of the gain occurred in nondurable-goods industries, especially rubber and miscellaneous plastics products. Production workers averaged $11.83 per hour, $.02 higher than last month. Their average workweek, 43.4 hours, was unchanged from April.

Between May 1987 and May 1988, nonagricultural payroll employment gained 20,500 workers. Services and retail trade were the primary growth sectors. Marked improvements were also noted in finance, insurance, and real estate and construction. The manufacturing labor force gained 2,500 additional jobs during the year. Significant expansion occurred in fabricated metal products, chemicals and allied products, and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

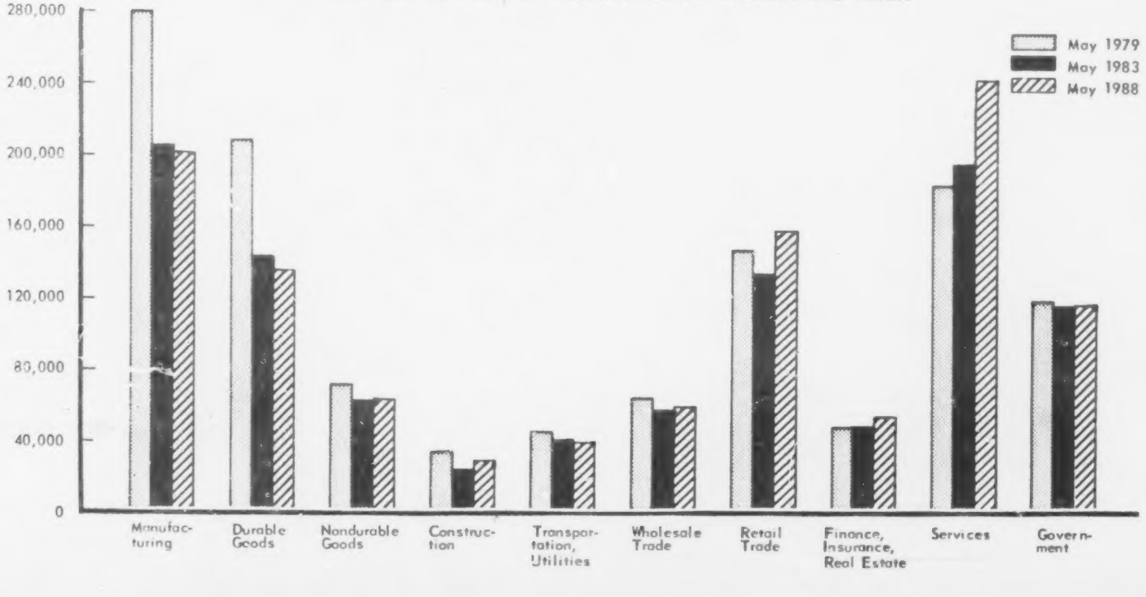


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
916.9	858.8	58.1	6.3	April	880.1	199.4	127.9	494.89	42.7	11.59
925.3	867.2	58.0	6.3	May	889.5	199.9	127.6	493.19	42.7	11.55
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
927.1	875.6	51.6	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
INA	INA	INA	INA	May	910.0	202.3	130.3	513.42	43.4	11.83

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1988[b]	April 1988[c]	May 1987[c]	From Last Month	From Last Year
TOTAL	910.0	902.1	889.5	8.0	20.5
MANUFACTURING	202.3	201.8	199.9	.6	2.5
Durable Goods[e]	137.2	137.1	135.8	.1	1.5
Primary metal industries	20.9	21.0	20.8	- .1	.1
Iron and steel foundries	5.1	5.2	5.2	- .1	.0
Fabricated metal products	33.3	33.2	32.2	.1	1.1
Fabricated structural metal products	4.3	4.2	4.0	.1	.3
Screw machine products, bolts, etc.	4.8	4.8	4.7	.0	.1
Metal forgings and stampings	11.7	11.7	11.3	.0	.4
Machinery, except electrical	28.9	29.1	28.7	- .2	.2
Construction and related machinery	2.6	2.7	2.5	- .1	.1
Metalworking machinery	9.6	9.6	9.5	.0	.1
Special industry machinery	2.6	2.6	2.8	.0	- .2
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	18.1	17.9	17.5	.1	.5
Electrical industrial apparatus	6.3	6.1	5.9	.2	.3
Transportation equipment	18.7	18.7	19.2	.0	- .5
Motor vehicles and equipment	11.8	11.7	11.9	.1	- .2
Instruments and related products	6.4	6.5	6.7	.0	- .3
Measuring and controlling devices	4.1	4.1	4.2	.0	- .1
Nondurable Goods[f]	65.1	64.7	64.1	.4	1.0
Food and kindred products	6.9	6.9	6.9	.0	.0
Apparel and other textile products	4.1	4.1	4.1	.0	.0
Paper and allied products	5.6	5.6	5.5	.0	.1
Printing and publishing	15.9	16.0	16.0	.0	- .1
Chemicals and allied products	15.2	15.1	14.6	.1	.6
Rubber and misc. plastics products	12.4	12.2	12.1	.2	.3
NONMANUFACTURING[g]	707.7	700.3	689.6	7.4	18.1
CONSTRUCTION	29.5	27.6	28.3	1.9	1.2
TRANSPORTATION AND PUBLIC UTILITIES	40.8	40.4	41.2	.3	- .4
Trucking and warehousing	12.1	12.0	11.8	.1	.3
Communication, electric, gas services	17.4	17.4	18.0	.0	- .6
WHOLESALE TRADE	60.6	60.2	60.6	.4	- .1
Wholesale trade-durable goods	41.5	41.3	42.0	.1	- .5
RETAIL TRADE	159.5	157.0	153.6	2.5	5.9
General merchandise stores	20.8	20.7	20.2	.1	.5
FINANCE, INSURANCE, AND REAL ESTATE	56.0	55.6	53.9	.4	2.1
Banking	13.3	13.3	13.2	.0	.0
Credit agencies other than banks	8.7	8.7	8.6	.1	.1
Insurance carriers	14.1	14.1	13.5	.1	.7
SERVICES	243.0	240.9	233.3	2.1	9.7
Business services	55.3	55.0	52.5	.3	2.8
Amusement and recreation services	9.0	7.8	8.8	1.2	.2
Health services	75.9	75.7	74.2	.2	1.6
Hospitals	42.5	42.5	42.0	.0	.5
GOVERNMENT	117.3	117.4	117.6	- .1	- .3
Federal government	20.6	20.6	20.3	- .1	.3
State government	8.0	8.6	8.1	- .6	- .1
State government education[1]	3.0	3.3	3.0	- .3	.0
State government, except education	5.0	5.3	5.1	- .3	- .1
Local government	88.8	88.2	89.2	.6	- .4
Local government education	45.4	44.9	44.3	.4	1.1
Local government, except education	43.4	43.3	44.9	.2	- 1.5

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

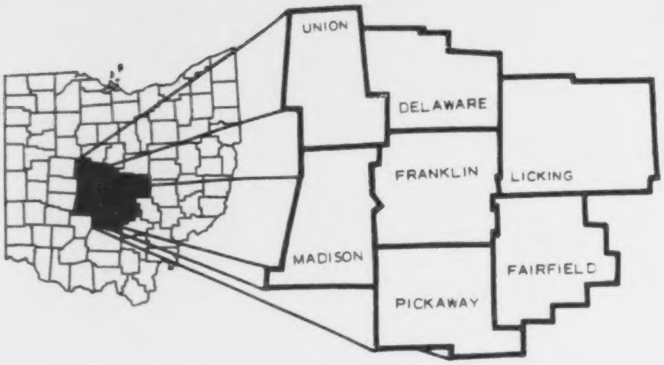
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]
MANUFACTURING	$513.42	$512.55	$493.19	43.4	43.4	42.7	$11.83	$11.81	$11.55
Durable Goods[e]	552.78	549.32	522.45	44.4	44.3	43.0	12.45	12.40	12.15
Primary metal industries	605.58	594.27	611.10	47.2	46.5	45.3	12.83	12.78	13.49
Iron and steel foundries	877.25	861.91	843.68	50.1	49.0	50.1	17.51	17.59	16.84
Fabricated metal products	554.71	543.84	529.54	44.2	44.0	43.8	12.55	12.36	12.09
Fabricated structural metal products	377.12	388.63	397.63	38.6	39.9	41.9	9.77	9.74	9.49
Screw machine products, bolts, etc.	530.08	535.68	475.40	45.5	46.1	44.1	11.65	11.62	10.78
Metal forgings and stampings	717.91	682.76	674.36	47.2	45.7	46.0	15.21	14.94	14.66
Machinery, except electrical	506.74	512.60	464.80	43.2	43.7	41.5	11.73	11.73	11.20
Construction and related machinery	397.73	404.95	416.30	43.9	44.5	46.0	9.06	9.10	9.05
Metalworking machinery	442.24	444.14	414.46	41.1	41.2	40.2	10.76	10.78	10.31
Special industry machinery	461.95	475.78	458.02	40.1	40.7	38.2	11.52	11.69	11.99
General industrial machinery	486.95	500.34	490.25	43.4	44.2	43.5	11.22	11.32	11.27
Electric and electronic equipment	449.03	445.63	436.30	41.5	41.3	40.7	10.82	10.79	10.72
Electrical industrial apparatus	510.07	509.95	480.48	43.3	43.4	42.0	11.78	11.75	11.44
Transportation equipment	760.36	761.42	669.91	48.4	48.1	44.9	15.71	15.83	14.92
Motor vehicles and equipment	849.93	855.54	709.64	49.3	49.0	45.2	17.24	17.46	15.70
Instruments and related products	401.85	398.40	386.22	41.3	41.2	40.4	9.73	9.67	9.56
Measuring and controlling devices	412.00	411.06	392.24	40.0	40.3	39.7	10.30	10.20	9.88
Nondurable Goods[f]	418.41	424.98	424.37	40.9	41.3	42.1	10.23	10.29	10.08
Food and kindred products	385.69	388.93	386.61	40.9	41.2	43.1	9.43	9.44	8.97
Apparel and other textile products	325.51	325.44	313.22	39.6	39.4	39.3	8.22	8.26	7.97
Paper and allied products	469.83	475.59	505.96	41.8	42.2	45.5	11.24	11.27	11.12
Printing and publishing	400.31	410.51	411.57	37.1	37.8	38.5	10.79	10.86	10.69
Chemicals and allied products	504.08	514.84	511.73	42.9	43.3	43.7	11.75	11.89	11.71
Rubber and misc. plastics products	386.18	384.50	407.70	43.1	43.3	45.0	8.96	8.88	9.06
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	583.43	569.64	568.70	41.0	40.4	41.3	14.23	14.10	13.77
WHOLESALE TRADE	409.23	408.95	398.16	38.9	38.8	39.5	10.52	10.54	10.08
RETAIL TRADE[h]	182.05	183.70	180.48	27.5	27.5	28.2	6.62	6.68	6.40
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	297.54	303.50	297.66	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	341.32	341.15	340.93	31.4	31.5	32.5	10.87	10.83	10.49

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	4,022	3,769	6,124
Active File of Job Seekers	60,273	61,802	40,415
Referrals to Jobs	1,859	1,881	2,541
Placements	332	358	672
Job Openings Received	1,643	1,387	1,231
Job Openings Unfilled	3,842	3,020	2,341
Unemployment Insurance Program			
Initial Claims	5,745	5,742	5,670
Continued Claims	60,610	67,469	60,394
First Payments	2,367	2,550	2,757
Last Payments	972	1,074	1,235
Weeks Compensated	45,542	60,709	53,515
Benefits Paid	$7,041,665	$9,509,761	$7,871,485
Average Weekly Payment	$157.32	$158.94	$149.70

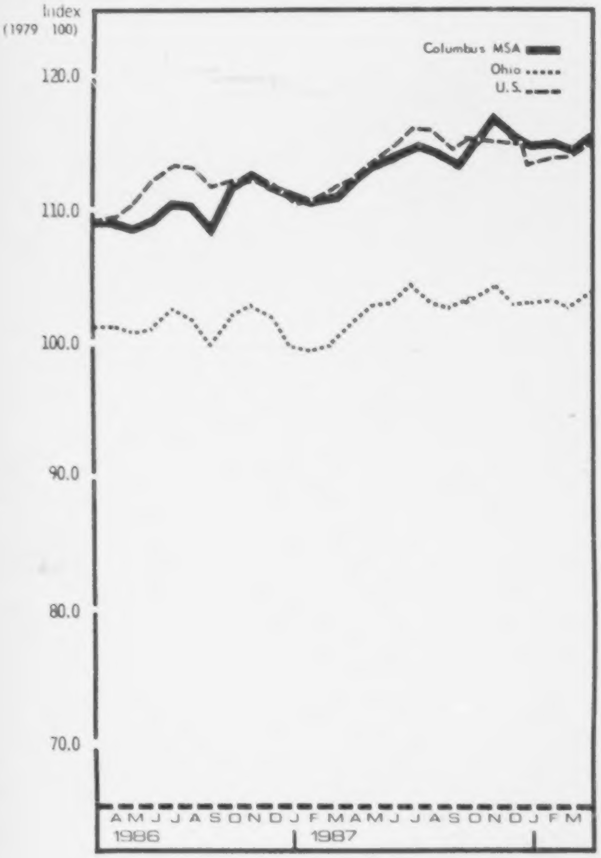
COLUMBUS
METROPOLITAN STATISTICAL AREA



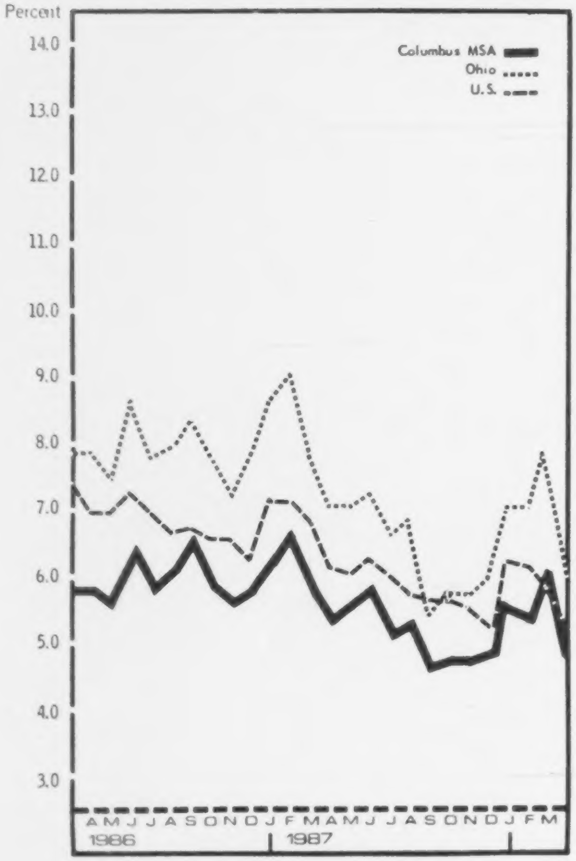
Nonagricultural wage and salary employment in the Columbus metropolitan area totaled 681,000 in May, 7,200 higher than in April 1988. Nonmanufacturing industries provided 94.4 percent of the gain due chiefly to seasonal growth in services, retail trade, and construction. Manufacturing employment rose 400 over the month. The improvement was concentrated in durable-goods industries, especially transportation equipment. Factory production workers averaged $11.62 per hour, up $.05 from April. Their average workweek was .2 hours shorter, at 41.5 hours.

Between May 1987 and May 1988, total nonfarm payroll employment advanced 23,800. Primary growth sectors were services and retail trade. Significant gains also occurred in construction and finance, insurance, and real estate. The manufacturing labor force declined 900 over the year. Reductions in transportation equipment and stone, clay, and glass products overshadowed growth in nondurable goods.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

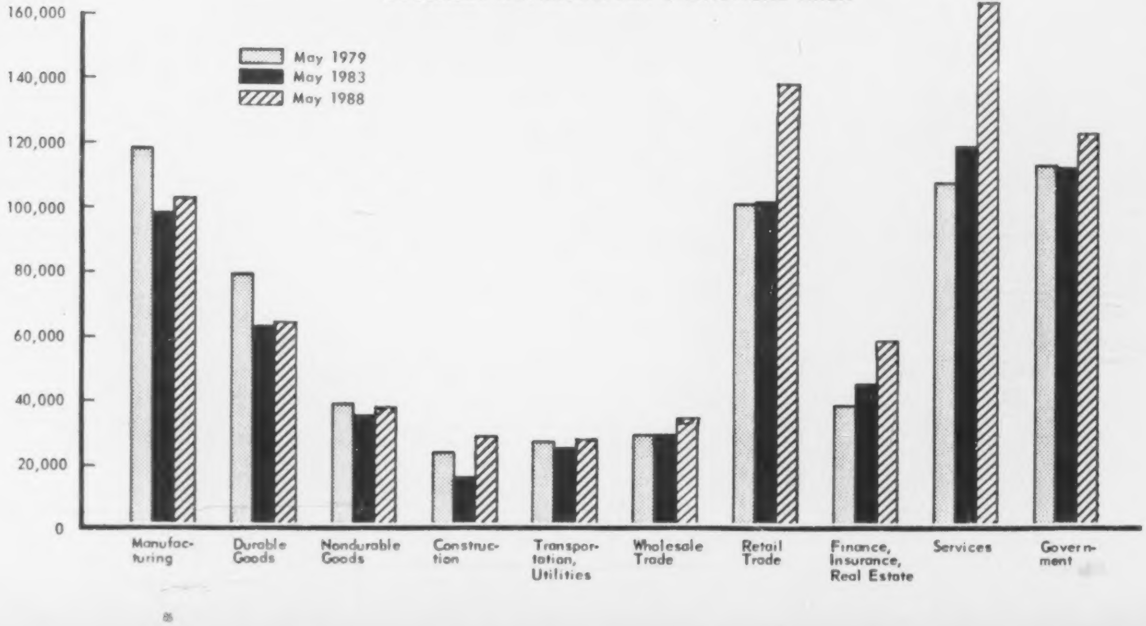


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
687.4	650.8	36.6	5.3	April	650.6	103.3	68.3	466.49	41.1	11.35
696.1	657.1	39.1	5.6	May	657.2	103.4	68.4	474.24	41.6	11.40
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5	11.40
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.7	669.6	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
INA	INA	INA	INA	May	681.0	102.5	67.0	482.23	41.5	11.62

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1988[b]	April 1988[c]	May 1987[c]	From Last Month	From Last Year
TOTAL	681.0	673.8	657.2	7.2	23.8
MANUFACTURING	102.5	102.1	103.4	.4	-.9
Durable Goods[e]	64.5	64.2	66.7	.4	-2.2
Stone, clay, and glass products	10.0	9.9	10.8	.1	-.8
Glass and glassware, pressed or blown	3.7	3.7	4.2	.0	-.4
Fabricated metal products	9.3	9.3	9.4	.0	.0
Fabricated structural metal products	2.7	2.8	2.8	-.1	-.1
Machinery, except electrical	9.1	9.2	9.1	-.1	.0
Electric and electronic equipment	11.0	10.8	10.9	.1	.1
Transportation equipment	13.3	13.1	14.9	.2	-1.6
Instruments and related products	4.1	4.1	4.1	.0	.0
Nondurable Goods[f]	38.0	38.0	36.7	.0	1.3
Food and kindred products	10.5	10.5	10.1	-.1	.4
Printing and publishing	10.3	10.3	10.1	.0	.2
Chemicals and allied products	6.7	6.7	6.8	.0	.0
Rubber and misc. plastics products	5.7	5.6	5.2	.1	.5
NONMANUFACTURING[g]	578.5	571.7	553.8	6.8	24.7
CONSTRUCTION	29.3	27.7	26.8	1.6	2.5
TRANSPORTATION AND PUBLIC UTILITIES	28.4	28.1	27.7	.2	.7
Trucking and warehousing	11.8	11.7	11.3	.1	.4
Communication, electric, gas services	11.7	11.6	11.7	.1	.0
WHOLESALE TRADE	35.3	35.1	33.8	.2	1.5
Wholesale trade-durable goods	22.8	22.6	21.8	.2	1.0
RETAIL TRADE	138.4	136.3	132.4	2.1	6.0
General merchandise stores	22.6	22.3	21.2	.3	1.4
FINANCE, INSURANCE, AND REAL ESTATE	58.8	58.4	56.4	.3	2.3
Banking	11.9	11.9	11.4	.0	.5
Insurance carriers	23.2	23.2	22.5	.0	.8
SERVICES	164.3	162.0	154.6	2.3	9.7
Business services	37.5	36.8	34.1	.7	3.3
Health services	40.8	40.7	39.1	.1	1.7
Hospitals	18.0	18.0	17.3	.0	.7
GOVERNMENT	123.1	123.1	121.2	.0	1.9
Federal government	15.2	15.2	15.7	.0	-.5
State government	55.0	55.2	53.9	-.3	1.1
State government education[i]	24.0	24.1	23.5	-.1	.5
State government, except education	30.9	31.1	30.4	-.2	.6
Local government	53.0	52.6	51.6	.3	1.4
Local government education	32.6	32.5	31.1	.2	1.5
Local government, except education	20.3	20.2	20.5	.2	-.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

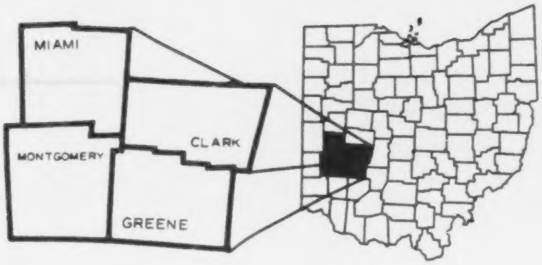
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]
MANUFACTURING	$482.23	$482.47	$474.24	41.5	41.7	41.6	$11.62	$11.57	$11.40
Durable Goods[e]	492.13	492.40	485.39	41.6	41.8	41.7	11.83	11.78	11.64
Stone, clay, and glass products	470.61	475.38	483.72	40.5	40.7	41.7	11.62	11.68	11.60
Glass and glassware, pressed or blown.	430.95	436.11	398.11	39.5	39.9	37.7	10.91	10.93	10.56
Fabricated metal products	521.18	521.59	499.39	41.2	41.2	40.8	12.65	12.66	12.24
Fabricated structural metal products	450.58	459.64	464.52	41.3	41.9	42.0	10.91	10.97	11.06
Machinery, except electrical	450.60	453.26	455.38	41.8	42.4	42.4	10.78	10.69	10.74
Electric and electronic equipment	462.03	464.02	474.66	40.6	41.1	41.6	11.38	11.29	11.41
Transportation equipment	617.47	611.53	569.32	44.2	43.9	43.0	13.97	13.93	13.24
Instruments and related products	406.50	418.72	435.08	39.2	40.3	42.2	10.37	10.39	10.31
Nondurable Goods[f]	464.09	462.02	453.60	41.4	41.4	41.5	11.21	11.16	10.93
Food and kindred products	453.18	450.69	466.52	41.5	41.5	42.8	10.92	10.86	10.90
Printing and publishing	539.57	535.27	506.58	39.5	39.3	38.7	13.66	13.62	13.09
Chemicals and allied products	560.15	557.94	529.54	42.5	42.3	41.5	13.18	13.19	12.76
Rubber and misc. plastics products	350.22	358.68	352.24	41.3	42.7	42.8	8.48	8.40	8.23
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	605.20	600.35	551.89	42.5	42.1	40.7	14.24	14.26	13.56
WHOLESALE TRADE	350.23	345.00	342.52	37.7	37.5	38.1	9.29	9.20	8.99
RETAIL TRADE[h]	179.63	178.64	174.27	28.2	28.4	28.9	6.37	6.29	6.03
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	266.35	263.15	269.91	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	338.95	334.56	324.87	34.1	34.0	33.7	9.94	9.84	9.64

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	4,081	3,935	4,389
Active File of Job Seekers	30,728	31,784	28,668
Referrals to Jobs	2,920	2,536	2,417
Placements	600	570	731
Job Openings Received	1,450	1,656	2,092
Job Openings Unfilled	2,570	2,598	5,552
Unemployment Insurance Program			
Initial Claims	3,410	3,518	4,096
Continued Claims	35,906	41,118	36,663
First Payments	1,556	1,817	1,910
Last Payments	774	796	907
Weeks Compensated	27,588	35,896	33,651
Benefits Paid	$4,297,861	$5,545,024	$5,139,393
Average Weekly Payment	$158.87	$160.72	$155.81

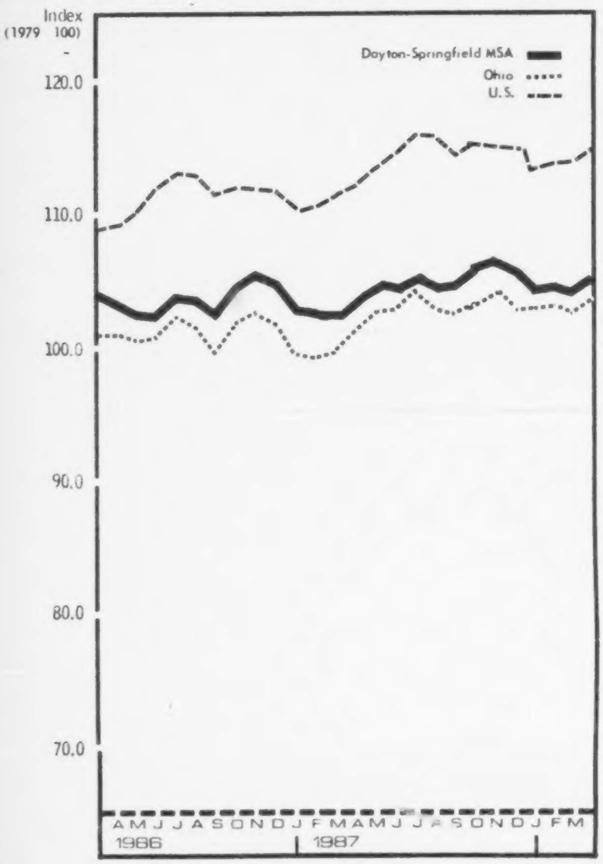
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



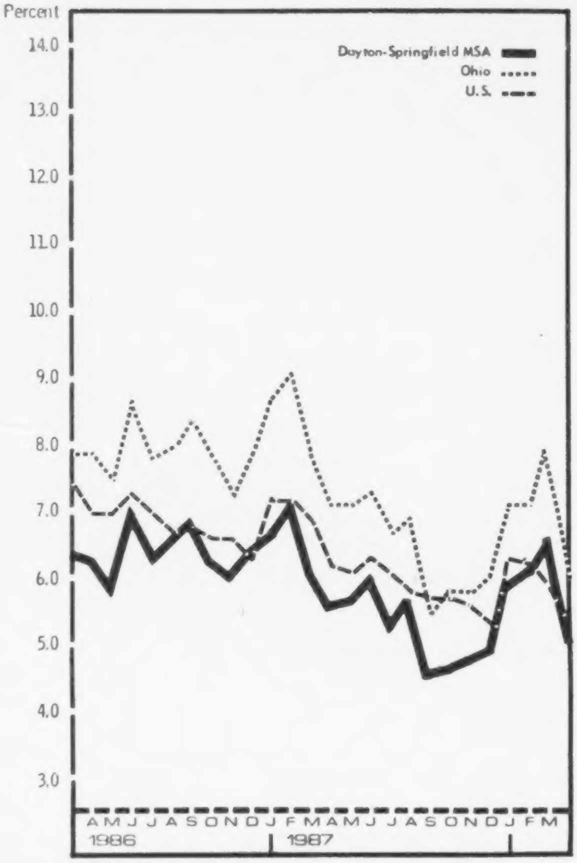
In the Dayton-Springfield metropolitan area, nonfarm payroll employment totaled 437,500 in May, increasing 3,200 above the April 1988 level. The improvement was concentrated in nonmanufacturing industries, especially retail trade and construction. The manufacturing sector added 300 jobs over the month. Factory production worker average hourly earnings dropped $.03 from April, to $12.59 per hour in May. Their average workweek, 43.8 hours, was .5 hours longer.

Between May 1987 and May 1988, nonagricultural wage and salary employment advanced 8,200. Major growth sectors were services, retail trade, and construction. A significant reduction in transportation equipment lowered manufacturing employment 700 over the year, to 103,300.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

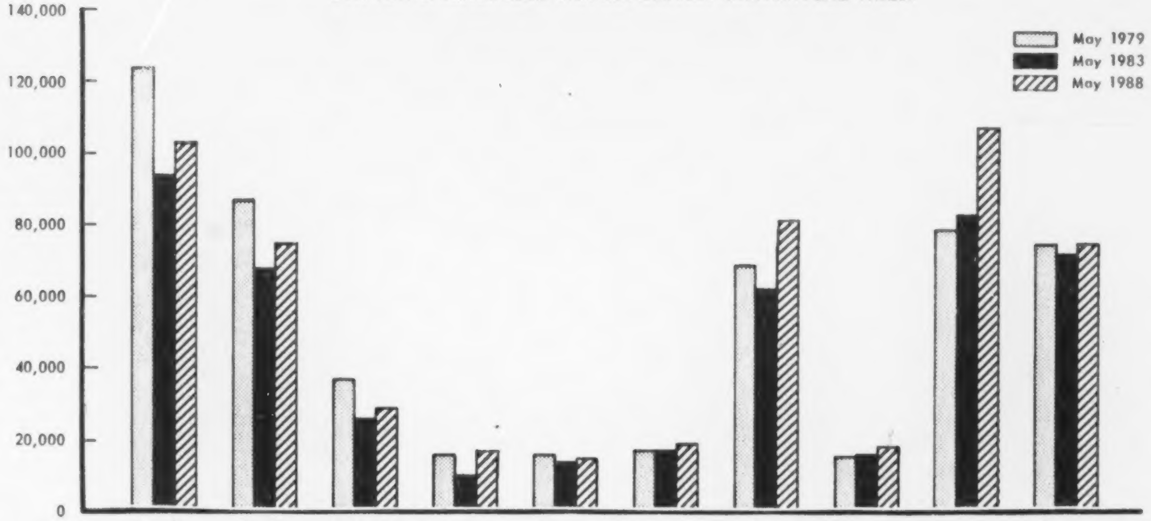


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
460.8	434.8	26.0	5.6	April	426.5	103.9	67.0	486.10	41.3	11.77
464.3	437.5	26.8	5.8	May	429.3	104.0	67.0	486.04	41.4	11.74
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
463.7	440.7	23.0	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
INA	INA	INA	INA	May	437.5	103.3	66.6	551.44	43.8	12.59

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1988[b]	April 1988[c]	May 1987[c]	From Last Month	From Last Year
TOTAL	437.5	434.2	429.3	3.2	8.2
MANUFACTURING	103.3	103.0	104.0	.3	- .7
Durable Goods[e]	74.4	74.3	75.2	.1	- .7
Fabricated metal products	8.3	8.3	8.4	.0	- .1
Machinery, except electrical	30.7	30.6	30.5	.0	.2
Metalworking machinery	6.6	6.6	6.6	.0	.1
General industrial machinery	2.8	2.8	2.6	.0	.2
Electric and electronic equipment	5.8	5.8	5.9	.0	- .1
Electrical industrial apparatus	3.5	3.5	3.6	.0	- .1
Transportation equipment	20.1	20.2	21.1	- .2	- 1.1
Nondurable Goods[f]	28.9	28.7	28.9	.2	.0
Food and kindred products	2.7	2.7	2.8	.0	- .1
Paper and allied products	6.0	6.0	5.8	.0	.2
Printing and publishing	8.7	8.7	8.4	.0	.3
Rubber and misc. plastics products	7.8	7.7	8.1	.1	- .3
NONMANUFACTURING[g]	334.1	331.2	325.3	2.9	8.9
CONSTRUCTION	17.9	16.8	16.1	1.1	1.8
TRANSPORTATION AND PUBLIC UTILITIES	15.7	15.4	15.4	.3	.2
Communication, electric, gas services	5.4	5.3	5.6	.1	- .2
WHOLESALE TRADE	19.0	18.8	18.6	.2	.4
Wholesale trade-durable goods	12.5	12.5	12.3	.1	.2
RETAIL TRADE	81.0	79.7	78.3	1.3	2.7
General merchandise stores	12.0	11.9	11.9	.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	18.2	18.0	17.9	.1	.3
Banking	4.2	4.2	4.2	.0	- .1
Credit agencies other than banks	4.8	4.8	4.7	.0	.1
Insurance carriers	2.7	2.7	3.0	.0	- .2
SERVICES	107.6	108.1	103.1	- .5	4.5
Business services	27.1	26.7	25.2	.4	1.9
Health services	36.2	36.0	35.5	.2	.7
Hospitals	18.5	18.4	18.6	.1	- .1
Educational services	6.8	8.2	6.6	- 1.5	.2
GOVERNMENT	74.4	74.0	75.5	.4	- 1.0
Federal government	27.9	27.9	27.7	.0	.2
State government	7.5	7.5	7.4	.0	.1
State government education[i]	4.6	4.6	4.5	.0	.0
State government, except education	2.9	2.9	2.8	.0	.1
Local government	39.0	38.6	40.4	.4	- 1.4
Local government education	24.3	23.9	25.6	.3	- 1.4
Local government, except education	14.8	14.7	14.8	.1	.0

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

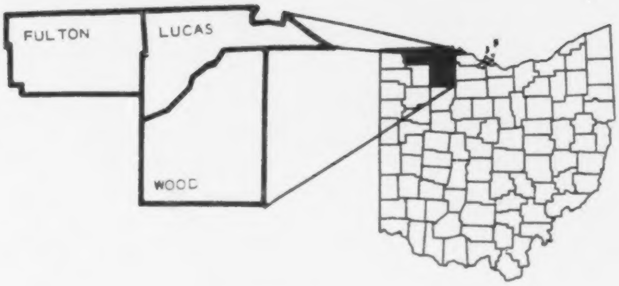
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]
MANUFACTURING	$551.44	$546.45	$486.04	43.8	43.3	41.4	$12.59	$12.62	$11.74
Durable Goods[e]	558.85	553.81	492.66	43.9	43.3	41.4	12.73	12.79	11.90
Fabricated metal products	394.70	386.68	375.47	41.9	41.4	40.2	9.42	9.34	9.34
Machinery, except electrical	599.42	587.40	529.62	44.6	44.0	41.9	13.44	13.35	12.64
Metalworking machinery	534.82	534.26	515.14	44.2	44.3	43.0	12.10	12.06	11.98
General industrial machinery	477.40	451.76	414.61	44.0	42.3	39.6	10.85	10.68	10.47
Electric and electronic equipment	447.17	449.20	434.56	44.1	44.3	44.8	10.14	10.14	9.70
Electrical industrial apparatus	529.92	522.80	521.22	46.0	45.5	47.6	11.52	11.49	10.95
Transportation equipment	691.98	699.69	573.27	44.5	44.2	40.6	15.55	15.83	14.12
Nondurable Goods[f]	528.61	521.94	466.58	43.4	43.1	41.4	12.18	12.11	11.27
Food and kindred products	351.08	326.32	368.05	40.4	37.9	43.3	8.69	8.61	8.50
Paper and allied products	524.32	519.68	491.73	46.4	46.4	45.7	11.30	11.20	10.76
Printing and publishing	451.36	454.21	430.56	40.3	40.7	39.0	11.20	11.16	11.04
Rubber and misc. plastics products	705.57	695.07	554.80	44.6	44.3	39.6	15.82	15.69	14.01
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	539.08	530.00	527.88	40.2	39.7	39.9	13.41	13.35	13.23
WHOLESALE TRADE	408.12	408.18	403.81	39.7	39.4	40.1	10.28	10.36	10.07
RETAIL TRADE[h]	163.02	161.82	157.35	28.4	27.9	27.8	5.74	5.80	5.66
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	366.41	369.21	356.16	34.6	34.7	33.6	10.59	10.64	10.60

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	2,380	2,424	2,449
Active File of Job Seekers	18,538	20,211	21,238
Referrals to Jobs	1,809	1,566	1,278
Placements	523	274	255
Job Openings Received	1,092	954	1,083
Job Openings Unfilled	1,777	1,781	2,466
Unemployment Insurance Program			
Initial Claims	1,962	2,109	2,536
Continued Claims	20,626	24,092	22,914
First Payments	862	1,028	1,110
Last Payments	384	433	537
Weeks Compensated	16,666	23,407	21,070
Benefits Paid	$2,397,780	$3,398,523	$2,923,159
Average Weekly Payment	$146.86	$148.19	$141.79

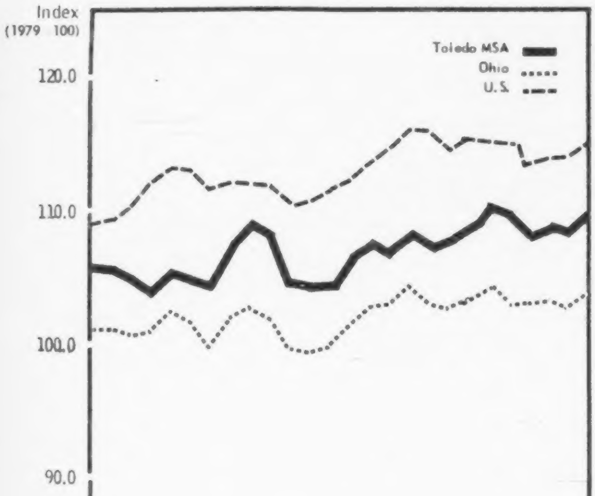
TOLEDO
METROPOLITAN STATISTICAL AREA



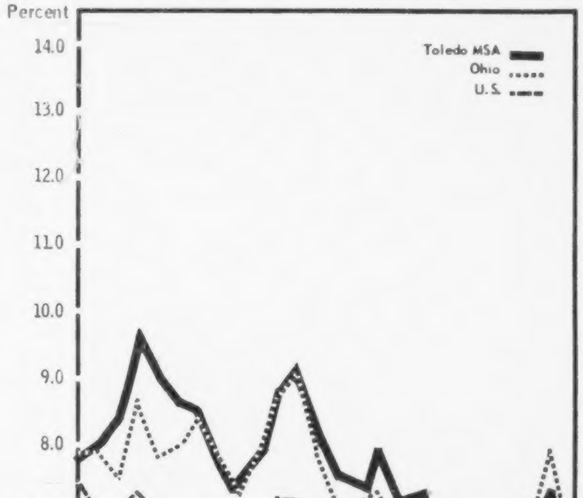
Nonagricultural wage and salary employment in the Toledo metropolitan area increased 3,300 from April, to 290,600 in May 1988. Seasonal gains in construction, retail trade, and services contributed most to the improvement. The manufacturing labor force added 200 workers in May. Production workers averaged $13.14 per hour, down $.09 from last month. Their average workweek was .4 hours shorter, at 42.9 hours.

Total nonfarm payroll employment advanced 10,400 between May 1987 and May 1988. Expansion in nonmanufacturing industries contributed 97.1 percent of the increase. Marked improvements were recorded in services, retail trade, and construction. Manufacturing employment gained 400, to 62,200. Modest growth in stone, clay, and glass products and rubber and miscellaneous plastics products offset reductions in transportation equipment and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

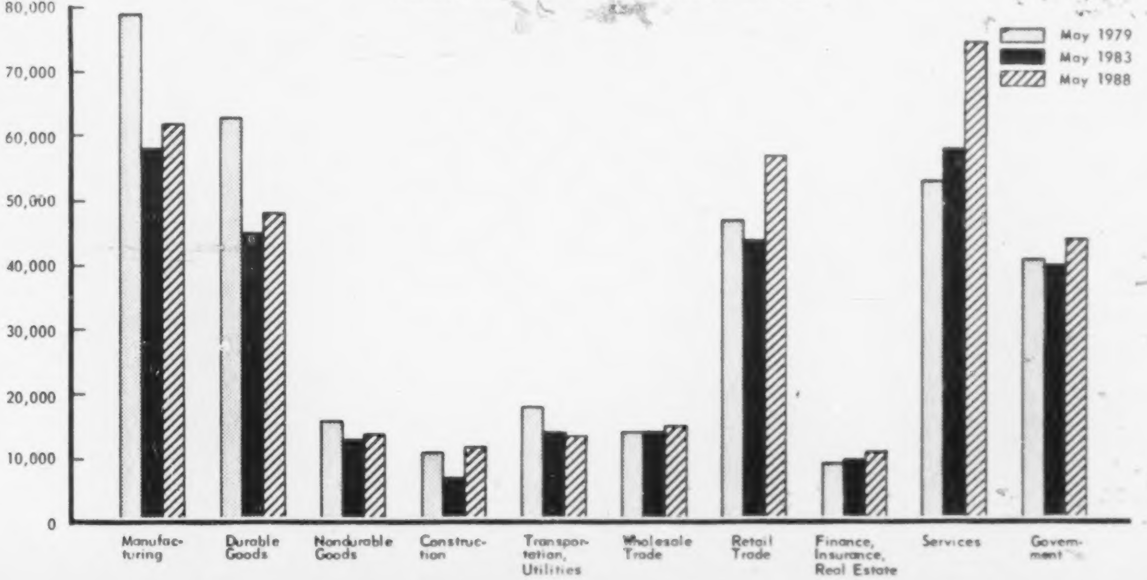


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
307.9	284.8	23.0	7.5	April	277.4	62.0	43.8	537.21	42.4	12.67
310.3	287.5	22.8	7.3	May	280.2	61.8	43.4	532.55	41.9	12.71
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
311.0	293.3	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
INA	INA	INA	INA	May	290.6	62.2	44.4	563.71	42.9	13.14

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1988[b]	April 1988[c]	May 1987[c]	From Last Month	From Last Year
TOTAL	290.6	287.3	280.2	3.3	10.4
MANUFACTURING	62.2	62.0	61.8	.2	.4
Durable Goods[e]	48.0	48.0	47.7	.1	.3
Stone, clay, and glass products	8.3	8.3	7.8	.1	.5
Primary metal industries	3.5	3.5	3.4	.0	.1
Fabricated metal products	7.8	7.7	7.7	.0	.1
Metal forgings and stampings	3.3	3.3	3.4	.0	- .1
Machinery, except electrical	6.2	6.2	6.1	.0	.1
Electric and electronic equipment	2.1	2.2	2.5	- .1	- .4
Transportation equipment	15.4	15.4	16.0	.0	- .5
Motor vehicles and equipment	14.4	14.4	15.1	.0	- .6
Nondurable Goods[f]	14.2	14.1	14.1	.1	.1
Food and kindred products	3.8	3.7	3.7	.1	.1
Rubber and misc. plastics products	3.2	3.1	2.9	.1	.4
NONMANUFACTURING[g]	228.4	225.3	218.3	3.1	10.1
CONSTRUCTION	12.1	11.3	10.4	.8	1.7
TRANSPORTATION AND PUBLIC UTILITIES	13.8	13.6	13.7	.1	.1
Trucking and warehousing	5.4	5.4	5.3	.0	.1
Communication, electric, gas services	5.0	5.0	4.9	.0	.1
WHOLESALE TRADE	15.3	15.2	14.6	.1	.7
Wholesale trade-durable goods	10.0	9.9	9.7	.1	.2
RETAIL TRADE	56.9	56.1	53.8	.8	3.1
General merchandise stores	7.3	7.2	7.4	.1	- .1
FINANCE, INSURANCE, AND REAL ESTATE	11.3	11.2	11.4	.1	- .1
Banking	3.6	3.6	3.5	.0	.0
SERVICES	74.5	73.8	70.9	.7	3.6
Business services	15.8	15.6	14.6	.2	1.2
Health services	27.4	27.3	26.8	.1	.6
Hospitals	15.3	15.2	15.2	.1	.1
GOVERNMENT	44.2	43.8	43.3	.5	.9
State government	16.7	16.6	16.2	.0	.5
State government education[i]	12.6	12.6	12.1	.0	.5
State government, except education	4.1	4.1	4.0	.0	.0
Local government	24.9	24.5	24.5	.4	.4
Local government education	14.4	14.1	14.0	.2	.3
Local government, except education	10.6	10.4	10.5	.1	.1

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

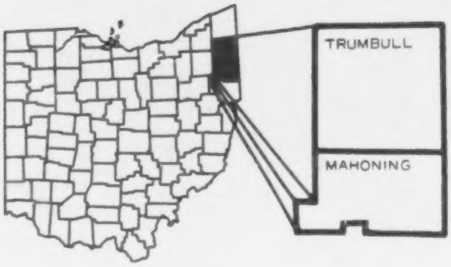
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]
MANUFACTURING	$563.71	$572.86	$532.55	42.9	43.3	41.9	$13.14	$13.23	$12.71
Durable Goods[e]	594.58	598.49	556.14	43.4	43.4	42.1	13.70	13.79	13.21
Stone, clay, and glass products	504.19	510.07	506.97	39.7	40.1	40.3	12.70	12.72	12.58
Primary metal industries	482.63	484.34	489.06	42.9	42.9	42.9	11.25	11.29	11.40
Fabricated metal products	544.43	536.34	505.93	42.7	42.0	41.3	12.75	12.77	12.25
Metal forgings and stampings	711.32	702.52	610.90	46.1	45.5	42.9	15.43	15.44	14.24
Machinery, except electrical	509.65	515.31	491.10	42.4	42.8	42.3	12.02	12.04	11.61
Electric and electronic equipment	517.10	510.72	527.09	42.7	42.0	41.7	12.11	12.16	12.64
Transportation equipment	770.90	777.55	669.85	46.3	46.2	43.3	16.65	16.83	15.47
Motor vehicles and equipment	778.59	786.94	673.32	46.4	46.4	43.3	16.78	16.96	15.55
Nondurable Goods[f]	451.96	474.82	446.90	41.2	42.7	41.0	10.97	11.12	10.90
Food and kindred products	533.81	553.24	525.81	41.9	43.7	42.2	12.74	12.66	12.46
Rubber and misc. plastics products	342.78	360.34	316.80	41.2	43.0	40.0	8.32	8.38	7.92
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	609.03	604.65	598.92	41.8	41.7	42.0	14.57	14.50	14.26
WHOLESALE TRADE	376.94	373.26	362.88	38.9	38.8	38.4	9.69	9.62	9.45
RETAIL TRADE[h]	160.99	162.13	162.32	28.8	28.9	29.3	5.59	5.61	5.54

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

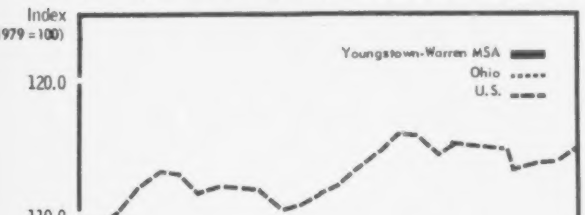
	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	2,096	1,903	2,523
Active File of Job Seekers	18,403	18,279	16,196
Referrals to Jobs	1,595	1,050	966
Placements	274	279	385
Job Openings Received	775	565	523
Job Openings Unfilled	1,201	906	1,263
Unemployment Insurance Program			
Initial Claims	2,419	2,818	3,639
Continued Claims	19,295	22,330	25,425
First Payments	737	871	1,149
Last Payments	281	286	445
Weeks Compensated	13,845	18,476	19,386
Benefits Paid	$2,064,602	$2,775,707	$2,830,234
Average Weekly Payment	$152.80	$153.36	$149.48

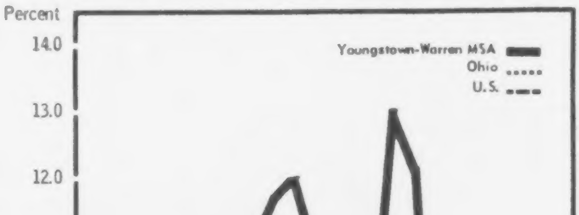
YOUNGSTOWN-WARREN
METROPOLITAN STATISTICAL AREA



Nonfarm payroll employment totaled 196,000 in the Youngstown-Warren metropolitan area in May 1988, increasing 3,400 from April. Seasonal hiring in construction, services, and retail trade contributed most to the gain. The manufacturing workforce rose 300, to 50,300. Production workers averaged $13.61 per hour, $.06 higher than in April. Their average workweek, 43.6 hours, was 1.5 hours longer.

Between May 1987 and May 1988, nonagricultural wage and salary employment advanced 6,300. Primary growth sectors were retail trade and services. Noteworthy improvements also occurred in construction and wholesale trade. Expansion in primary metal industries helped raise manufacturing employment 1,200 over the year.


INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

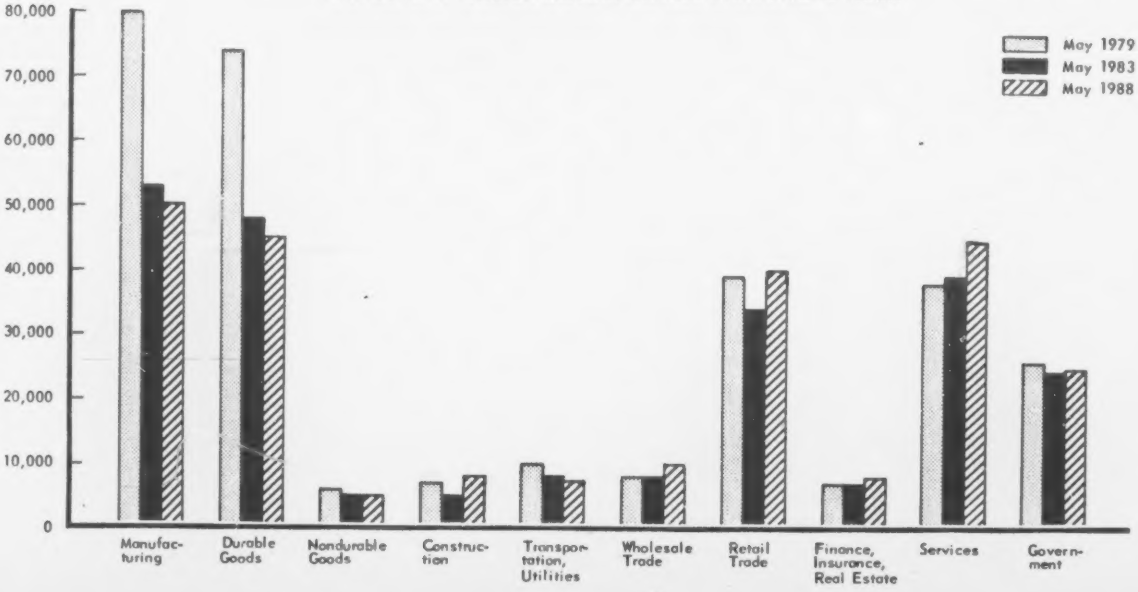

UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
218.4	199.1	19.3	8.8	April	187.4	49.7	37.4	571.94	43.1	13.27
223.0	201.5	21.5	9.7	May	189.6	49.1	36.8	565.78	42.7	13.25
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
220.0	204.1	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
INA	INA	INA	INA	May	196.0	50.3	38.4	593.40	43.6	13.61

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown - Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1988[b]	April 1988[c]	May 1987[c]	From Last Month	From Last Year
TOTAL	196.0	192.5	189.6	3.4	6.3
MANUFACTURING	50.3	50.0	49.1	.3	1.2
Durable Goods[e]	45.0	44.8	44.1	.2	1.0
Primary metal industries	18.8	18.8	18.0	.1	.9
Blast furnace and basic steel products	5.6	5.6	5.5	.0	.1
Fabricated metal products	7.7	7.6	7.3	.1	.4
Machinery, except electrical	3.7	3.7	3.8	.0	-.1
Electric and electronic equipment	2.1	2.1	2.3	.0	-.1
Transportation equipment	9.5	9.5	9.5	.0	.0
Nondurable Goods[f]	5.3	5.2	5.0	.1	.3
NONMANUFACTURING[g]	145.7	142.6	140.5	3.1	5.1
CONSTRUCTION	8.3	7.5	7.5	.7	.8
TRANSPORTATION AND PUBLIC UTILITIES	7.7	7.6	7.6	.1	.1
Communication, electric, gas services	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	10.3	10.0	9.6	.2	.7
Wholesale trade-durable goods	6.4	6.2	6.2	.2	.2
RETAIL TRADE	40.3	39.7	38.5	.6	1.8
General merchandise stores	5.0	5.1	5.3	.0	-.3
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.3	8.2	.0	.1
Banking	2.9	2.9	2.8	.0	.1
SERVICES	45.3	44.6	44.1	.7	1.2
Health services	19.6	19.5	19.3	.1	.3
Hospitals	10.1	10.0	10.1	.0	-.1
GOVERNMENT	24.8	24.2	24.4	.7	.5
State government	4.4	4.0	4.4	.4	.0
State government education[1]	2.9	2.5	2.9	.3	.0
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.4	18.1	18.0	.3	.4
Local government education	12.1	11.8	11.7	.2	.3
Local government, except education	6.3	6.2	6.2	.1	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]	May 1988[b]	Apr. 1988[c]	May 1987[c]
MANUFACTURING	$593.40	$570.46	$565.78	43.6	42.1	42.7	$13.61	$13.55	$13.25
Durable Goods[e]	609.84	584.59	581.36	44.0	42.3	43.0	13.86	13.82	13.52
Primary metal industries	643.50	644.36	595.40	42.9	42.9	41.9	15.00	15.02	14.21
Blast furnace and basic steel products	622.88	603.37	606.32	45.3	44.3	44.0	13.75	13.62	13.78
Fabricated metal products	587.36	572.72	543.10	43.8	42.9	41.3	13.41	13.35	13.15
Machinery, except electrical	479.52	475.80	504.45	42.1	41.7	43.3	11.39	11.41	11.65
Electric and electronic equipment	447.33	450.55	428.13	40.3	40.7	39.9	11.10	11.07	10.73
Transportation equipment	697.40	612.13	694.78	47.8	42.1	47.2	14.59	14.54	14.72
Nondurable Goods[f]	412.26	407.55	416.07	39.3	39.8	40.2	10.49	10.24	10.35
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	549.37	538.16	535.70	40.1	39.6	40.4	13.70	13.59	13.26
WHOLESALE TRADE	361.30	360.45	340.10	38.6	38.8	38.3	9.36	9.29	8.88
RETAIL TRADE[h]	175.51	173.09	174.94	29.3	28.8	29.6	5.99	6.01	5.91

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1988	April 1988	May 1987
Employment Service Program			
New Applicants	1,996	1,837	1,731
Active File of Job Seekers	18,151	18,458	17,471
Referrals to Jobs	1,297	1,232	1,145
Placements	322	364	325
Job Openings Received	611	795	464
Job Openings Unfilled	1,067	970	632
Unemployment Insurance Program			
Initial Claims	2,191	2,141	3,768
Continued Claims	14,941	20,335	24,324
First Payments	868	784	1,185
Last Payments	299	321	429
Weeks Compensated	13,997	17,780	21,085
Benefits Paid	$2,024,083	$2,555,070	$2,994,524
Average Weekly Payment	$148.87	$147.05	$146.66

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	May 1988	April 1988	May 1987
New Applicants	35,542	34,539	36,395
Active File of Job Seekers	277,386	286,310	260,152
Counseling Interviews	1,167	1,242	1,411
Tests Administered	4,048	5,083	2,682
General Aptitude Tests	153	301	331
Proficiency Tests	434	486	466
Specific Aptitude Tests	1,624	1,477	600
Referrals to Jobs	27,693	24,512	24,927
Placements	6,165	5,565	6,191
Job Openings Received	14,867	13,022	13,951
Job Openings Unfilled	23,703	20,838	27,429

Selected Unemployment Insurance Activities

	May 1988	April 1988	May 1987
Initial Claims	37,844	38,395	44,061
Continued Claims	355,021	421,800	392,865
First Payments	14,792	17,325	18,737
Last Payments	6,398	6,878	8,090
Average Weekly Claimants	81,150	101,491	96,227
Average Weekly Benefit Recipients	68,929	89,215	81,305
Weeks Compensated	275,716	374,933	347,341
Benefits Paid	$41,679,753	$57,129,907	$50,695,031
Average Weekly Payment	$154.62	$155.71	$149.65
Continued Claims for Survey Week	80,914	98,729	91,986
Insured Unemployment Rate	1.9	2.3	2.3
Net Contributions	$255,065,901	$74,964,221	$352,610,306
Active Employer Accounts	200,354	200,411	195,506

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
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COLUMBUS OH 43216-1618

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Labor Market Review

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Ohio
Labor
Market
Information

Labor Market Review

1987 Annual Summary

Summary. Ohio's nonagricultural wage and salary employment increased by 107,500 jobs during 1987. The rate of expansion, 2.4 percent, was slightly higher than the 1986 rate of 2.3 percent. Greatest over-the-year improvements occurred in services and retail trade, although the greatest rate of increase was reported in construction. Employment in the manufacture of durable goods declined for the third consecutive year; it has decreased in seven of the last eight years. Manufacturing employment declined during the first half of the year, but did show some improvement from August to December 1987. (See table, page 4, top.)

In 1987, Ohio nonfarm employment rose above prerecession annual average highs for the first time. Nearly 95 percent of the jobs added since 1983 were in the nonmanufacturing sector, as the erosion of manufacturing jobs continued. The structural change from the production of goods to the production of services in Ohio and in the U.S. is shown in the table below. As manufacturing employment continues to decline in the state and the nation, jobs are shifting to the service-producing sector. In Ohio, a boost in the number of construction jobs reduced the size of this shift in 1987. In service-producing industries, services, retail trade, and finance, insurance, and real estate employment shares increased from 1979 to 1983, and have continued to do so in the post-recessionary period. Most new jobs have opened in services and in retail trade.

Percent Of Employment in Nonagricultural Divisions
Ohio and U.S., 1979, 1983, and 1987

Industry	Ohio			U.S.		
	1979	1983	1987	1979	1983	1987
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0
Goods Producing	35.6	29.9	28.2	29.5	26.0	24.4
Mining	.7	.7	.5	1.1	1.1	.7
Construction	4.1	3.2	3.9	5.0	4.4	4.9
Manufacturing	30.8	26.0	23.9	23.4	20.5	18.7
Service Producing	64.4	70.1	71.8	70.5	74.0	75.6
Transportation and Public Utilities	5.2	4.9	4.5	5.7	5.5	5.3
Wholesale Trade	5.2	5.4	5.4	5.8	5.8	5.7
Retail Trade	16.5	17.4	18.5	16.7	17.2	17.9
Finance, Insurance, and Real Estate	4.5	5.1	5.3	5.5	6.1	6.5
Services	18.0	21.3	23.0	19.1	21.8	23.6
Government	15.0	16.0	15.0	17.8	17.6	16.7

Labor Force. The civilian labor force in Ohio reached a record high of 5,248,000 in 1987, a .3 percent increase over 1986. The U.S. civilian labor force grew 1.7 percent over the year. (See table, page 2.)

Ohio Bureau of Employment Services

Richard F. Celeste, Governor　　Grace Kilbane, Acting Administrator

Total Employment. According to the household survey, total employment averaged 4,881,000 in the state of Ohio in 1987, an increase of 75,000, or 1.6 percent, over the previous year and a new all-time high. U.S. employment advanced 2.6 percent over the year.

Civilian Labor Force Estimates for Ohio and the U.S.
(Employed and Unemployed in Thousands)

Ohio				Year	United States			
Civilian Labor Force					Civilian Labor Force			
	Employment					Employment		
		Unemployment					Unemployment	
		Total	Rate				Total	Rate
4,623	4,425	198	4.3	1973	89,429	85,064	4,365	4.9
4,710	4,485	225	4.8	1974	91,949	86,794	5,156	5.6
4,723	4,294	429	9.1	1975	93,775	85,846	7,929	8.5
4,751	4,380	370	7.8	1976	96,158	88,752	7,406	7.7
4,833	4,520	312	6.5	1977	99,009	92,017	6,991	7.1
4,959	4,690	268	5.4	1978	102,251	96,048	6,202	6.1
5,059	4,760	299	5.9	1979	104,962	98,824	6,137	5.8
5,089	4,663	426	8.4	1980	106,940	99,303	7,637	7.1
5,100	4,608	492	9.6	1981	108,670	100,397	8,273	7.6
5,114	4,474	640	12.5	1982	110,204	99,526	10,678	9.7
5,099	4,478	621	12.2	1983	111,550	100,834	10,717	9.6
5,089	4,609	480	9.4	1984	113,544	105,005	8,539	7.5
5,135	4,680	455	8.9	1985	115,461	107,150	8,312	7.2
5,231	4,806	425	8.1	1986	117,834	109,597	8,237	7.0
5,248	4,881	367	7.0	1987	119,865	112,440	7,425	6.2

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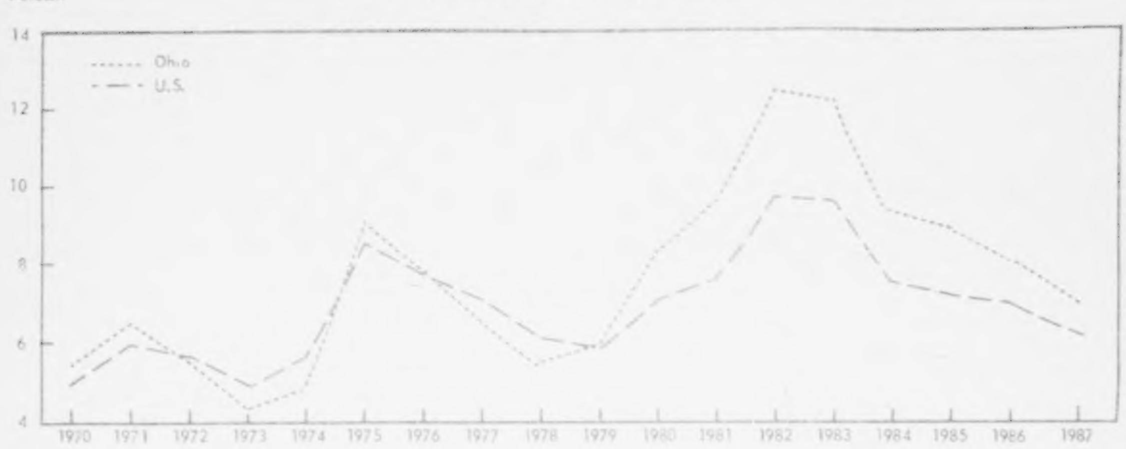
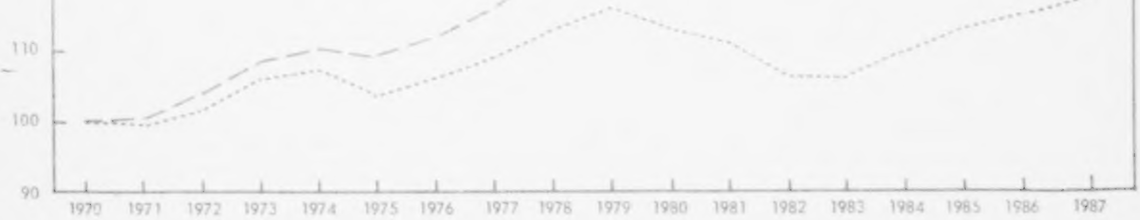
Unemployment. Averaging 367,000 for the year, the number of unemployed workers in Ohio was down from 425,000 in 1986. The average unemployment rate fell from 8.1 percent in 1986 to 7.0 percent in 1987. The national unemployment rate dropped to 6.2 percent in 1987, from 7.0 percent in 1986.

OHIO AND U.S. UNEMPLOYMENT RATES



Nonagricultural Wage and Salary Employment. Nonfarm wage and salary employment in Ohio increased 2.4 percent from 1986 to 1987. At 4,578,900, the 1987 level was 107,500 above the 1986 level, and 94,100 above the prerecession high in 1979. These all-time high averages resulted from significant employment increases in nonmanufacturing industries, particularly services, retail trade, and construction. Important improvements were noted in finance, insurance, and real estate, government, especially local schools, wholesale trade, and transportation and public utilities. Employment in durable-goods manufacturing and mining continued to decline in 1987. However, 1987 employment in nondurable-goods manufacturing rose for the fourth straight year. (See table, page 4, top.)

INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



Growth Industries. Construction topped the list of Ohio's most rapidly growing industries in 1987. (See table, page 4, bottom.) Special trade contractors and general building contractors were one and two on the list this year. Significant expansion was also reported in business services, apparel stores, insurance carriers, transportation except railroads, health services, general merchandise stores, eating and drinking places, and local school districts.

Ohio Employment Changes, 1986-1987

Industry	1987 Employment (in thousands)	Employment Change 1986-1987	Percent Change 1986-1987
TOTAL	4,578.9	107.5	2.4
Manufacturing	1,095.3	-14.5	-1.3
Durable Goods	736.4	-16.3	-2.2
Nondurable Goods	358.9	1.8	.5
Nonmanufacturing	3,483.6	122.0	3.6
Mining	20.9	-1.7	-7.5
Construction	177.0	16.3	10.1
Transportation and Public Utilities	206.9	3.5	1.7
Wholesale Trade	248.7	4.4	1.8
Retail Trade	847.7	29.1	3.6
Finance, Insurance, and Real Estate	243.1	10.8	4.6
Services	1,051.2	50.2	5.0
Government	688.1	9.2	1.4

Employment Gains and Losses
Ohio and U.S., 1986-1987

Growing and Declining Industries	1987 Ohio Employment (in thous.)	1986-1987 Percent Change	
		Ohio	U.S.
Most Rapidly Growing Industries**			
Special Trade Contractors	109.5	10.1	5.0
General Building Contractors	44.6*	9.9	-1.2
Business Services	209.6	8.8	6.6
Apparel and Accessory Stores	41.8	7.2	2.9
Insurance Carriers	67.9	6.1	3.5
Transportation, Except Railroads	103.3*	5.6	4.9
Health Services	360.1	4.5	5.0
General Merchandise Stores	119.2*	3.4	1.8
Eating and Drinking Places	297.4	3.2	2.0
Local Government Education	254.7	1.5	2.6
Declining Industries			
Oil and Gas Extraction	7.0*	-11.4	-7.1
Railroad Transportation	14.0*	-10.3	-7.2
Transportation Equipment	148.0*	-3.8	.0
Electric and Electronic Equipment	86.3*	-3.1	-1.0
Stone, Clay, and Glass Products	48.0*	-3.0	-.1
Nonelectrical Machinery	154.4*	-2.6	-1.0
Apparel and Other Textile Products	15.9*	-2.5	.7
Fabricated Metal Products	133.4*	-2.3	-.2
Instruments and Related Products	23.0	-1.3	-1.5
Communicaton, Electric, Gas Services	89.6*	-.6	1.1
Total, All Industries	4,578.9	2.4	2.5
Manufacturing	1,095.3*	-1.3	.6
Nonmanufacturing	3,483.6	3.6	3.0

* 1987 employment is below 1979 level.

** Includes only employment sectors with changes of at least 2,800.

Declining Industries. In 1987, oil and gas extraction and railroad transportation again headed the list of Ohio's most rapidly declining industries. Transportation equipment, not on this list in 1986, jumped into third place this year, followed by electric and electronic equipment, stone, clay, and glass products, nonelectrical machinery, apparel and other textile products, fabricated metal products, instruments, and communication, electric, and gas services.

Ohio Employment Changes and Recovery Rates
By Selected Industry
Annual Averages for 1979, 1983, and 1987

Industry	Employment (thous.) Peak 1979	Trough 1983	Current 1987	Changes 79-83	83-87	Percent Recovery Ohio	U.S.
TOTAL	4,485	4,093	4,579	-392	486	124.0	+
Manufacturing	1,382	1,066	1,095	-316	29	9.2	24.2
Durable Goods	981	724	736	-257	12	4.7	23.3
Nondurable Goods	402	342	359	- 60	17	28.3	27.2
Nonmanufacturing	3,103	3,027	3,484	- 76	457	601.3	+
Mining	32	27	21	- 5	- 6	-	-
Construction	183	131	177	- 52	46	88.5	208.6
Transportation and Public Utilities	232	199	207	- 33	8	24.2	236.0
Wholesale Trade	233	223	249	- 10	26	260.0	+
Retail Trade	742	711	848	- 31	137	441.9	+
Finance, Insurance, and Real Estate	201	208	243	7	35	+	+
Services	806	873	1051	67	178	+	+
Government	674	656	688	- 18	32	177.8	1,262.5

+ No downturn, 1979-1983.
- No upturn, 1983-1987.

Losses and Recovery. Ohio has more than recovered the number of jobs lost during the 1979-1983 recessionary period. Since 1983, there has been a net increase of 486,000 jobs, or 124.0 percent of the number lost during the recession. (See table, above.) With the exceptions of services and finance, insurance, and real estate, all nonagricultural wage and salary employment divisions evidenced sharp declines between 1979 and 1983. Greatest losses occurred in the manufacture of durable goods and this sector, along with mining and nondurable goods, continued to decline between 1986 and 1987. Just 9.1 percent of factory jobs have been regained in Ohio, while 24.2 percent were regained nationwide. Nondurable-goods manufacturing and construction employment also dropped off significantly during the recessionary period. During the recovery period, however, 28.3 percent of nondurable-goods manufacturing jobs, and 88.5 percent of construction jobs were recovered. Most of the economic recovery in Ohio derived from the opening of new jobs in nonmanufacturing industries, especially in services, retail trade, and construction. Important increases were also reported in finance, insurance, and real estate, in government, especially local schools, and in wholesale trade.

Conclusion. Ohio's recovery advanced again in 1987, with the brightest spots in services, retail trade, and construction. Employment in manufacturing continued to decline during the first half, but showed some improvement from August through December 1987. Unemployment was at its lowest level since 1979, while total employment achieved an all-time high. The shift in employment toward service-producing industries continued in Ohio and the U.S., but Ohioshowed much greater improvement in construction.

The Ohio Labor Force, 1987

Each month, the U.S. Bureau of the Census conducts a national household survey, the Current Population Survey (CPS), which the U.S. Bureau of Labor Statistics uses to measure the nation's employment and unemployment. Statewide labor force estimates for Ohio and ten other large states are derived directly from the CPS.

According to CPS data (see table below), the Ohio civilian labor force averaged 5,248,000 in 1987, comprising 4,881,000 employed and 367,000 unemployed. The unemployment rate was 7.0 percent, down from 8.1 percent in 1986.

For men, the unemployment rate was 7.2 percent, compared to 6.7 percent for women. Contrary to the norm in earlier years, men have had higher unemployment rates than women since 1980, when Ohio entered an extended period of economic recession. Industries with predominantly male work forces--mining, construction, manufacturing, and transportation and public utilities--were hard hit and, despite recent gains (except in mining and manufacturing, durable goods), have not returned to pre-1980 employment levels. On the other hand, the two industries with the highest proportion of female employees--services and finance, insurance, and real estate--added workers even during the recessions of the early 1980's. Women comprised 44.3 percent of the labor force and 42.2 percent of the unemployed in 1987.

Unemployment rates were highest for young workers (16-24)--14.5 percent for men and 11.4 percent for women. For prime-age workers (25-54), the rates were 6.0 percent for men and 5.8 percent for women. Older workers (55 and over) had the lowest unemployment rates--3.8 percent for men and 3.2 percent for women.

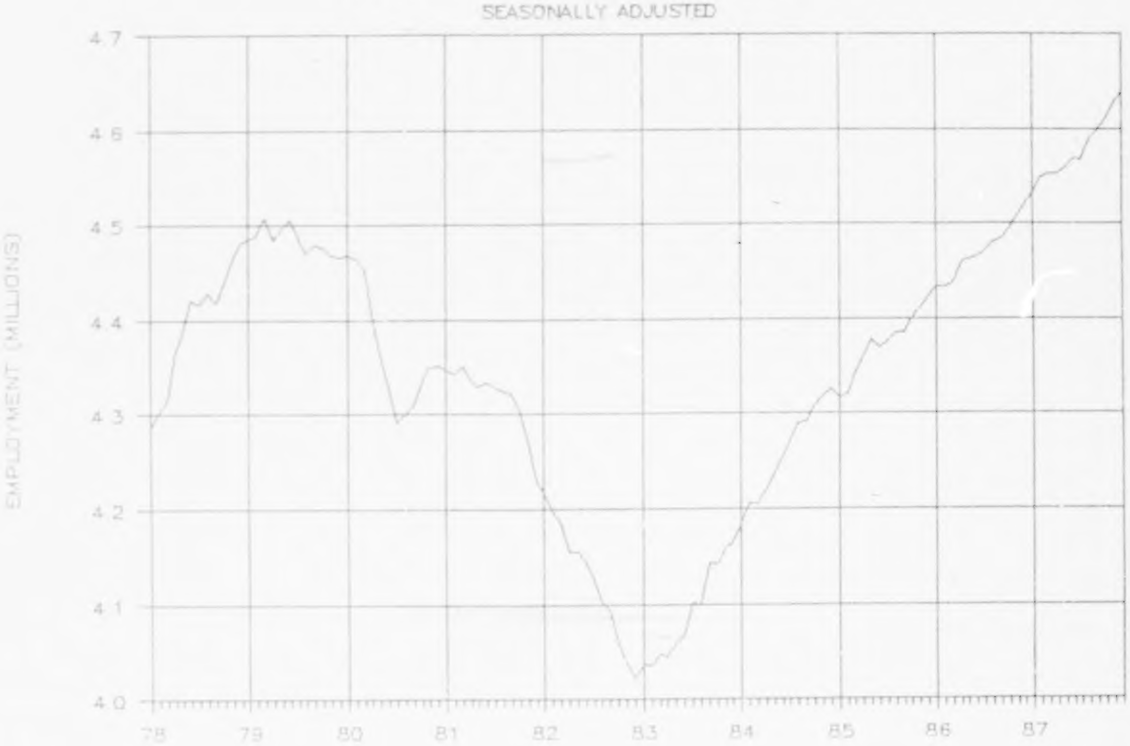
In 1987, the nonwhite unemployment rate (14.8 percent) was more than double the rate for white workers (6.1 percent). The result was that while nonwhites made up 9.8 percent of the labor force, they constituted 20.7 percent of the unemployed. The nonwhite-to-white ratios for the two sexes differed very little in respect to unemployment rate. The rates were 14.1 percent for nonwhite men, 6.6 percent for white men, 16.0 percent for nonwhite women, and 5.6 percent for white women.

Later this year, the Ohio Bureau of Employment Services will provide additional labor force information in its publication, *Ohio at Work: A Chartbook for 1987.*

Employment Status of the Civilian Labor Force
By Sex, Race, and Age Group, Ohio, 1987

Characteristic	Civilian Labor Force	Employed	Unemployed	Unemployment Rate
Total, age 16 and over	5,248,000	4,881,000	367,000	7.0
Men, total	2,924,000	2,712,000	212,000	7.2
Young Men (16-24)	531,000	455,000	77,000	14.5
Prime-Age Men (25-54)	2,001,000	1,880,000	121,000	6.0
Older Men (55 and over)	391,000	377,000	15,000	3.8
Women, total	2,324,000	2,169,000	155,000	6.7
Young Women (16-24)	493,000	436,000	56,000	11.4
Prime-Age Women (25-54)	1,582,000	1,492,000	91,000	5.8
Older Women (55 and over)	249,000	241,000	8,000	3.2
White, total	4,735,000	4,444,000	291,000	6.1
White Men	2,661,000	2,485,000	175,000	6.6
White Women	2,074,000	1,959,000	115,000	5.6
Nonwhite, total	513,000	437,000	76,000	14.8
Nonwhite Men	263,000	227,000	37,000	14.1
Nonwhite Women	250,000	210,000	40,000	16.0

TOTAL NONAGRICULTURAL



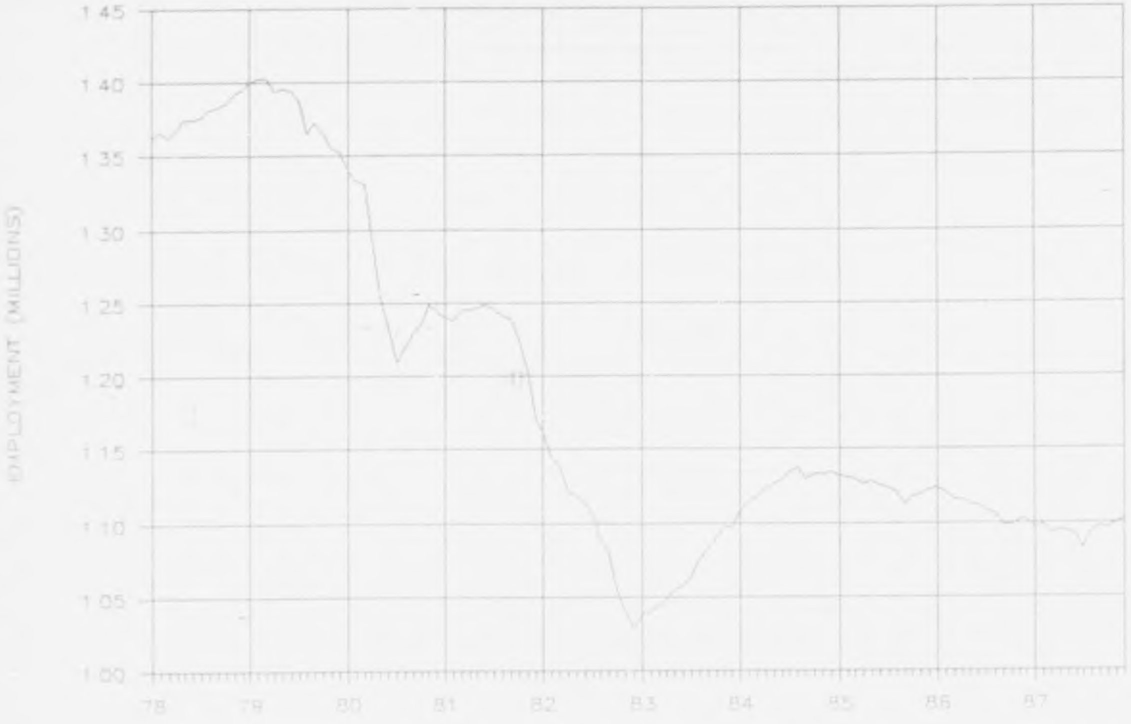
Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Total Nonagricultural

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	4,284	4,302	4,315	4,367	4,386	4,422	4,416	4,428	4,418	4,441	4,464	4,483
1979	4,484	4,490	4,508	4,484	4,497	4,505	4,486	4,470	4,479	4,478	4,469	4,466
1980	4,468	4,464	4,454	4,407	4,363	4,329	4,292	4,301	4,311	4,336	4,349	4,350
1981	4,347	4,342	4,351	4,336	4,330	4,334	4,330	4,325	4,322	4,302	4,270	4,228
1982	4,218	4,199	4,186	4,156	4,155	4,144	4,125	4,104	4,094	4,060	4,038	4,022
1983	4,037	4,037	4,047	4,047	4,058	4,068	4,101	4,100	4,143	4,142	4,158	4,165
1984	4,184	4,206	4,206	4,220	4,236	4,254	4,271	4,290	4,292	4,308	4,319	4,326
1985	4,317	4,320	4,342	4,359	4,378	4,370	4,376	4,385	4,386	4,399	4,410	4,423
1986	4,433	4,435	4,437	4,458	4,463	4,464	4,472	4,481	4,484	4,495	4,509	4,521
1987	4,532	4,549	4,552	4,552	4,560	4,568	4,567	4,589	4,597	4,610	4,626	4,638

TOTAL MANUFACTURING

SEASONALLY ADJUSTED



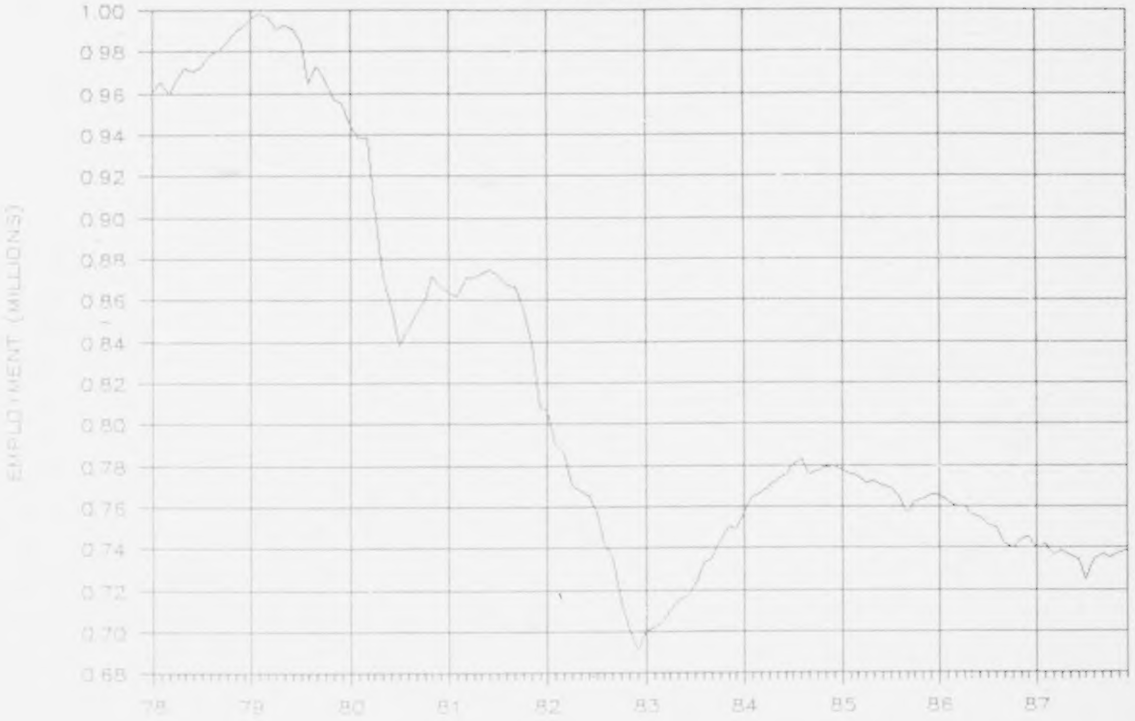
Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Total Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	1,362	1,367	1,362	1,370	1,375	1,375	1,376	1,382	1,383	1,387	1,392	1,396
1979	1,400	1,403	1,402	1,395	1,396	1,394	1,387	1,366	1,372	1,366	1,356	1,353
1980	1,341	1,333	1,331	1,296	1,255	1,234	1,209	1,220	1,229	1,236	1,249	1,244
1981	1,240	1,238	1,246	1,246	1,247	1,249	1,246	1,241	1,239	1,225	1,204	1,170
1982	1,163	1,145	1,139	1,121	1,118	1,114	1,105	1,089	1,081	1,055	1,040	1,029
1983	1,038	1,041	1,044	1,049	1,055	1,058	1,064	1,075	1,082	1,091	1,097	1,098
1984	1,108	1,115	1,119	1,123	1,127	1,130	1,134	1,138	1,130	1,133	1,134	1,135
1985	1,133	1,131	1,130	1,127	1,128	1,125	1,124	1,121	1,112	1,118	1,119	1,123
1986	1,124	1,120	1,117	1,117	1,112	1,112	1,108	1,107	1,098	1,098	1,102	1,103
1987	1,096	1,099	1,093	1,096	1,094	1,092	1,082	1,095	1,097	1,097	1,100	1,103

DURABLE GOODS MANUFACTURING

SEASONALLY ADJUSTED

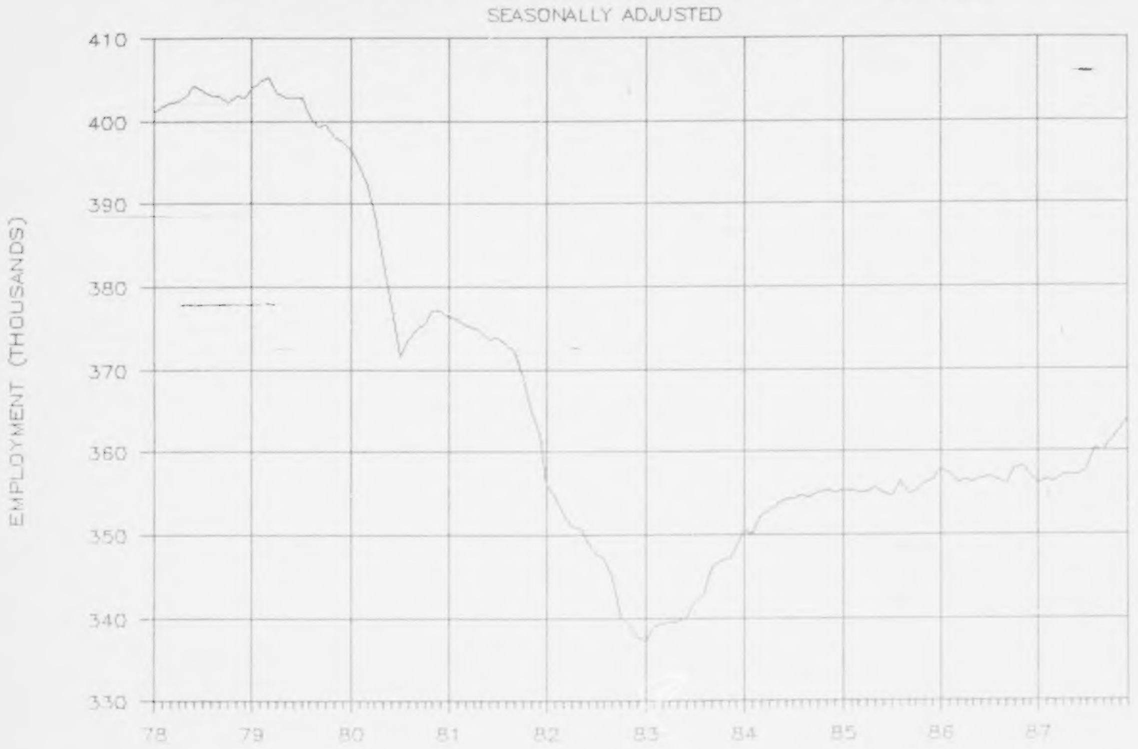


Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Durable Goods Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	961	965	960	967	972	971	973	979	980	984	989	993
1979	996	998	997	991	993	991	984	965	973	966	957	955
1980	944	938	939	907	871	857	838	847	854	860	872	867
1981	864	862	871	870	872	875	872	867	867	856	839	808
1982	807	791	786	770	767	765	757	742	736	715	701	691
1983	701	702	705	710	715	718	723	733	736	744	750	749
1984	757	765	767	770	773	776	780	783	775	778	779	780
1985	777	776	775	771	773	770	769	765	757	762	763	766
1986	766	763	760	760	755	755	751	750	742	740	744	745
1987	740	742	737	738	736	735	725	734	737	736	738	739

NONDURABLE GOODS MANUFACTURING



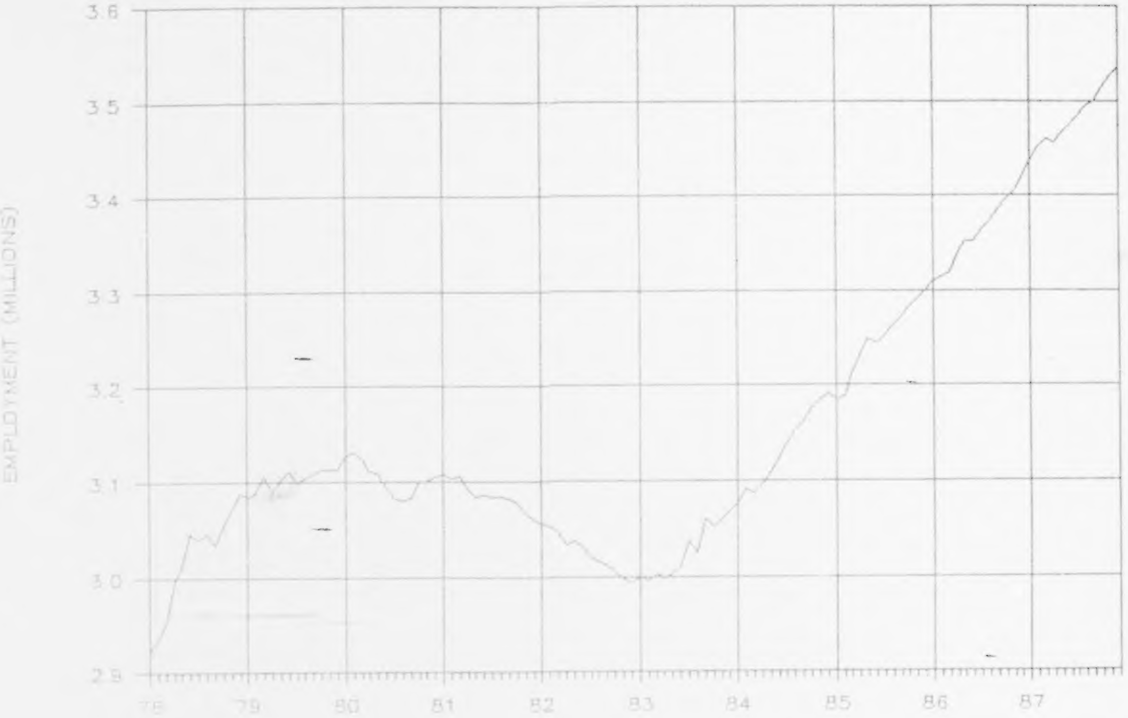
Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Nondurable Goods Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	401	402	402	402	403	404	404	403	403	402	403	403
1979	404	405	405	403	403	403	403	401	399	399	398	397
1980	397	395	392	389	383	377	372	374	375	376	377	377
1981	376	376	375	375	375	374	374	373	372	369	365	362
1982	356	355	353	351	351	349	347	347	345	340	339	338
1983	337	339	339	339	340	340	342	343	346	347	347	348
1984	350	350	352	353	354	354	354	355	355	355	355	355
1985	355	355	355	355	356	355	355	356	355	355	356	357
1986	358	357	356	357	356	357	357	357	356	358	358	357
1987	356	357	356	357	357	357	358	360	360	361	362	364

TOTAL NONMANUFACTURING

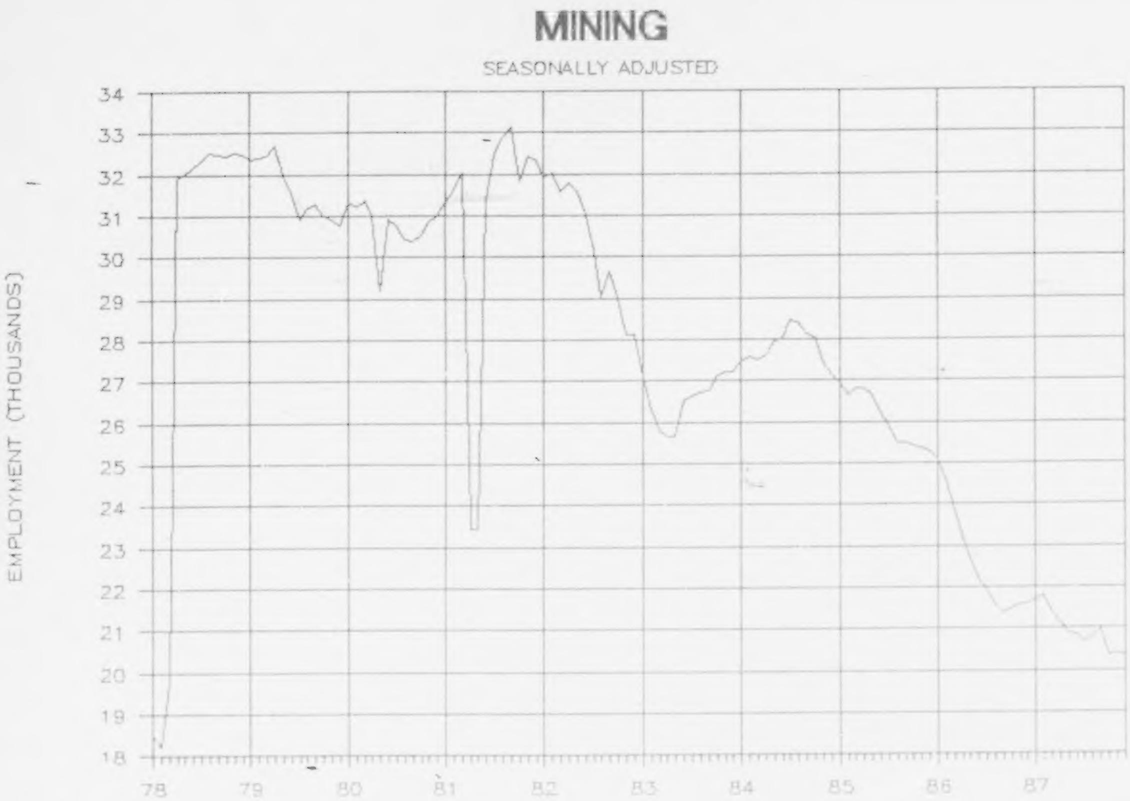
SEASONALLY ADJUSTED



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Total Nonmanufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	2,922	2,935	2,953	2,998	3,011	3,047	3,040	3,046	3,035	3,055	3,072	3,087
1979	3,084	3,088	3,105	3,089	3,101	3,111	3,099	3,104	3,107	3,112	3,113	3,113
1980	3,128	3,131	3,123	3,112	3,109	3,095	3,082	3,081	3,082	3,100	3,100	3,106
1981	3,107	3,104	3,105	3,091	3,083	3,085	3,084	3,084	3,082	3,077	3,066	3,058
1982	3,056	3,053	3,047	3,035	3,036	3,030	3,020	3,015	3,012	3,005	2,998	2,993
1983	2,999	2,996	3,002	2,997	3,004	3,010	3,037	3,025	3,061	3,051	3,061	3,067
1984	3,077	3,091	3,087	3,097	3,109	3,124	3,137	3,152	3,162	3,175	3,185	3,191
1985	3,184	3,189	3,211	3,232	3,249	3,245	3,253	3,264	3,274	3,281	3,290	3,301
1986	3,310	3,314	3,321	3,342	3,351	3,352	3,364	3,374	3,385	3,397	3,406	3,418
1987	3,436	3,451	3,459	3,456	3,467	3,476	3,484	3,494	3,500	3,514	3,526	3,536



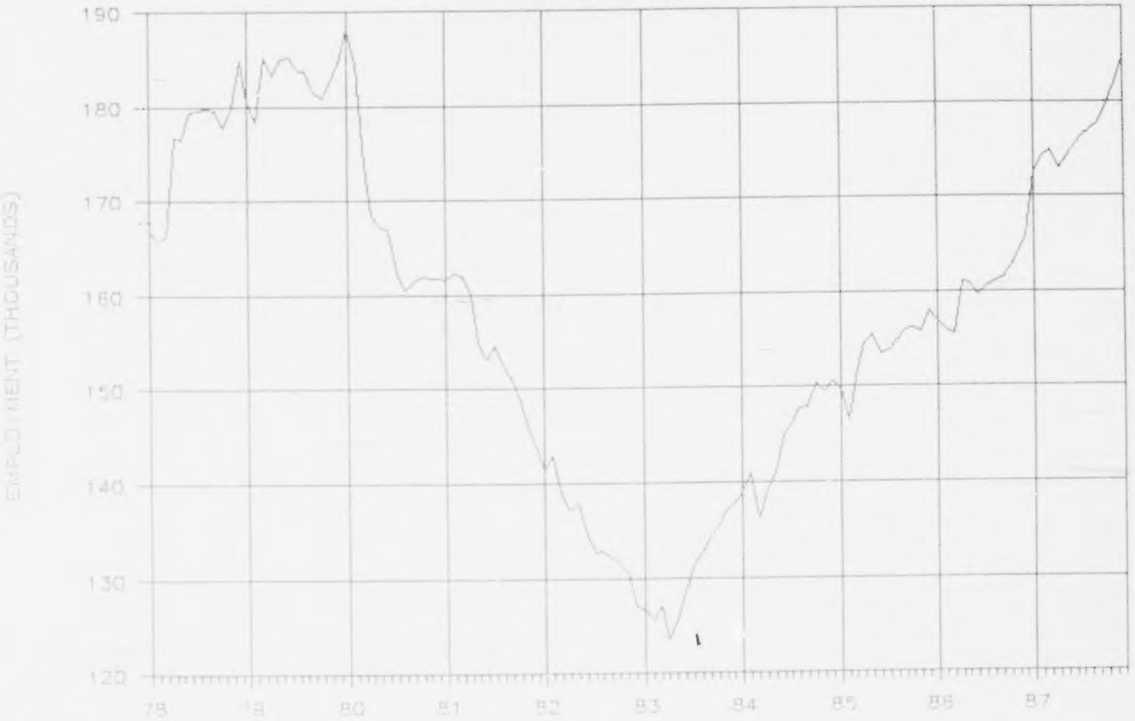
Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Mining

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	18	18	20	30	32	32	32	33	33	32	33	32
1979	32	32	32	33	32	32	31	31	31	31	31	31
1980	31	31	31	31	29	31	31	30	30	31	31	31
1981	31	32	32	23	23	31	32	33	33	32	32	32
1982	32	32	32	32	32	31	30	29	30	29	28	28
1983	27	26	26	26	26	27	27	27	27	27	27	27
1984	27	28	28	28	28	28	28	28	28	28	27	27
1985	27	27	27	27	27	26	26	26	25	25	25	25
1986	25	25	24	23	23	22	22	22	21	21	22	22
1987	22	22	21	21	21	21	21	21	21	20	20	20

CONSTRUCTION

SEASONALLY ADJUSTED

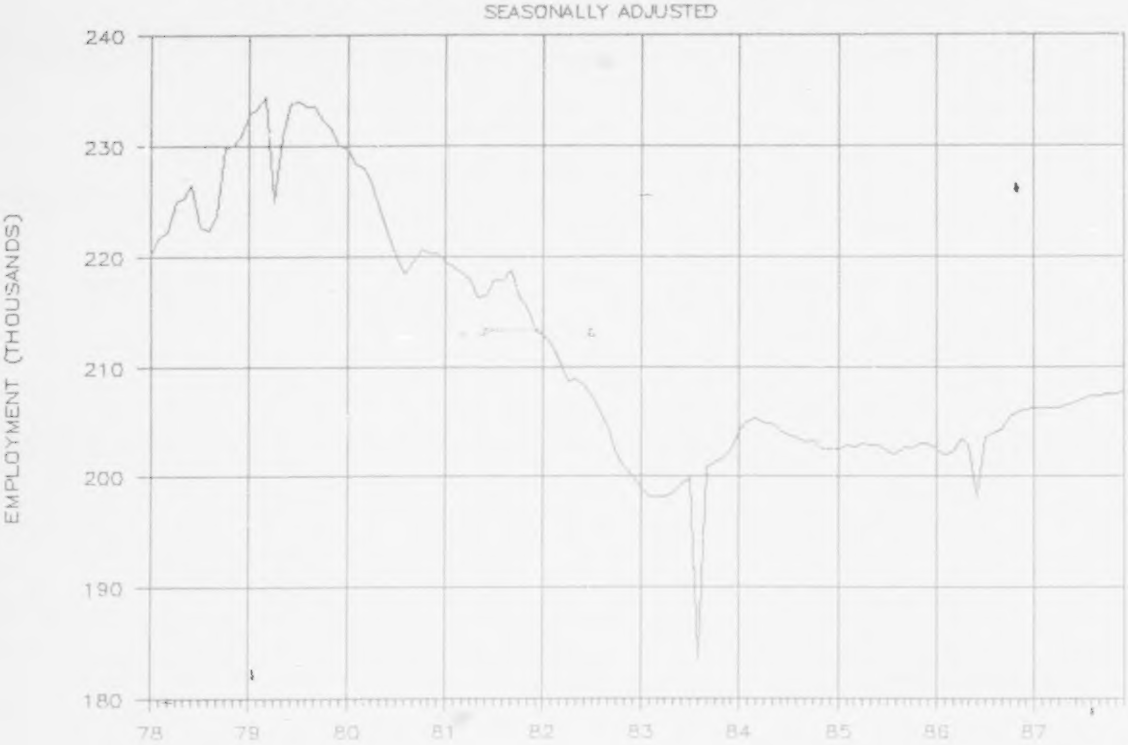


Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Construction

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	167	166	166	177	177	179	180	180	180	178	180	185
1979	180	178	185	183	185	185	184	184	182	181	182	185
1980	188	184	174	168	167	167	162	160	161	162	162	162
1981	162	162	162	160	155	153	155	152	151	149	146	144
1982	141	143	139	137	138	135	133	133	132	131	130	127
1983	127	126	127	123	126	129	131	133	134	135	137	138
1984	139	141	136	139	141	145	146	148	148	150	150	151
1985	150	146	151	155	155	154	154	155	156	156	156	158
1986	157	156	156	161	161	160	160	161	161	163	164	166
1987	173	174	175	173	174	175	176	177	178	180	182	185

TRANSPORTATION & PUBLIC UTILITIES



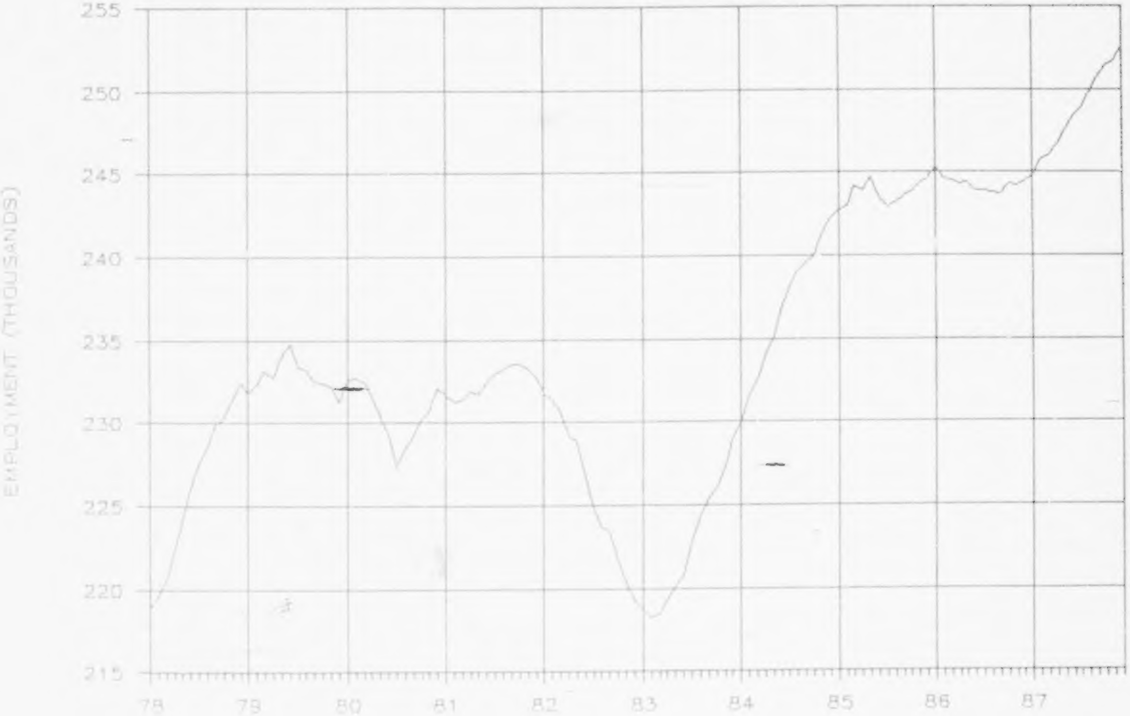
Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Transportation and Public Utilities

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	220	222	222	225	225	226	223	222	224	230	230	231
1979	233	233	234	225	231	234	234	233	234	232	231	230
1980	230	228	228	227	224	222	220	218	219	221	220	220
1981	220	219	218	218	216	216	218	218	219	216	215	213
1982	213	212	211	209	209	208	207	206	205	202	201	200
1983	199	198	198	198	199	199	200	184	201	201	202	202
1984	204	205	205	205	205	204	204	204	203	203	203	202
1985	202	203	203	203	203	203	202	202	203	202	203	203
1986	203	202	202	203	203	198	204	204	204	205	206	206
1987	206	206	206	206	207	207	207	207	207	208	207	208

WHOLESALE TRADE

SEASONALLY ADJUSTED



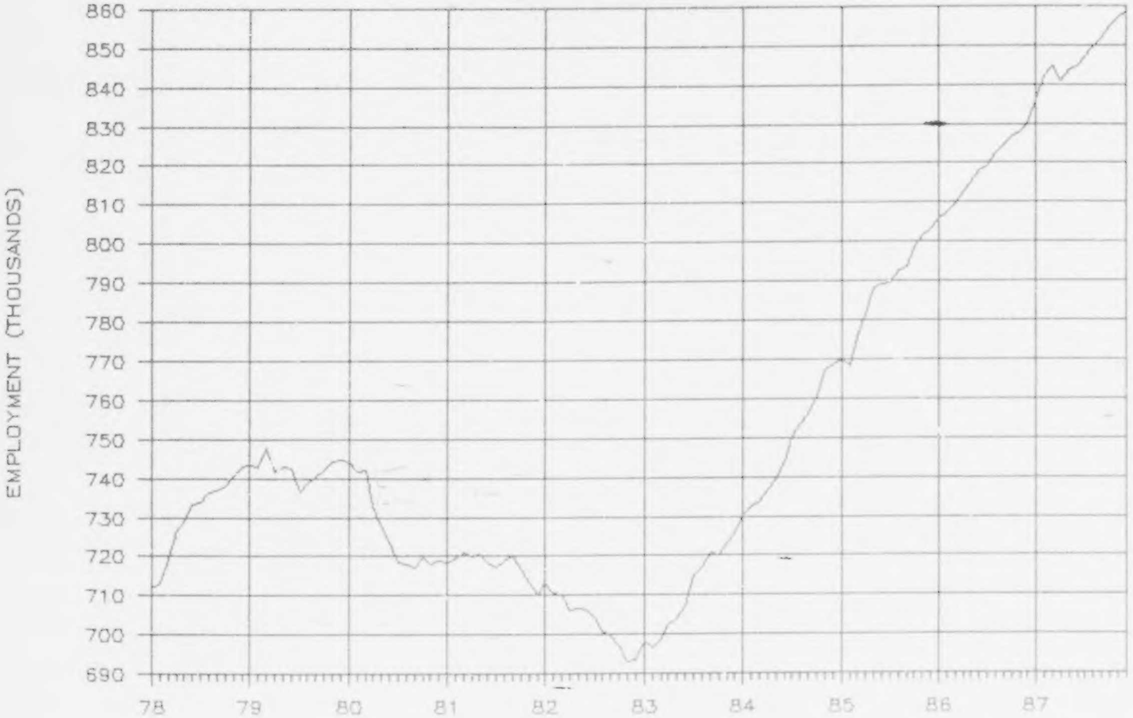
Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Wholesale Trade

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	219	220	221	223	224	226	227	228	230	230	231	232
1979	232	232	233	233	234	235	233	233	233	232	232	231
1980	233	233	232	232	230	229	227	229	229	230	231	232
1981	232	231	231	232	232	232	233	233	234	234	233	233
1982	232	231	231	229	229	227	225	224	223	222	220	219
1983	219	218	218	219	220	221	223	224	225	226	227	229
1984	230	232	233	234	235	237	238	239	240	240	241	242
1985	243	243	244	244	245	243	243	243	244	244	244	245
1986	245	245	244	244	244	244	244	244	244	244	244	244
1987	245	246	246	247	248	248	249	250	251	251	252	253

RETAIL TRADE

SEASONALLY ADJUSTED



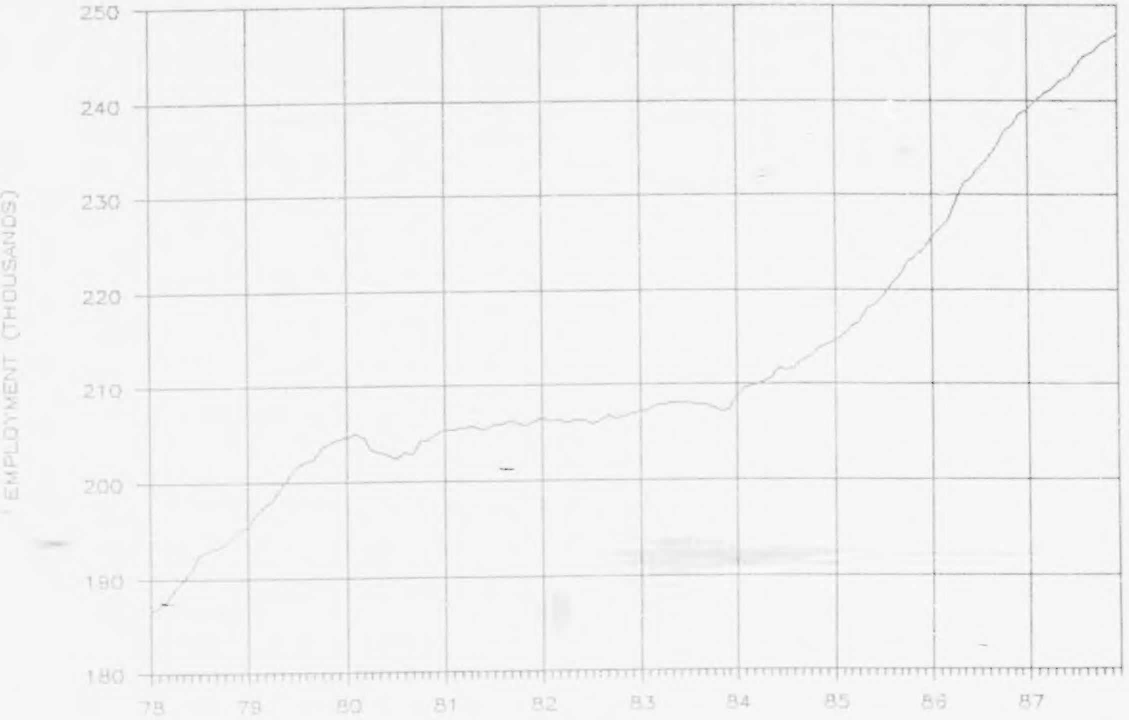
Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Retail Trade

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	712	713	719	727	729	733	734	736	737	738	741	743
1979	743	743	748	742	743	742	736	739	741	742	744	745
1980	744	741	742	733	728	724	719	718	717	720	718	719
1981	718	719	721	720	721	718	717	719	720	717	713	710
1982	713	711	710	706	707	706	704	701	700	697	693	694
1983	699	697	699	702	704	707	715	717	721	720	723	726
1984	730	733	734	737	739	744	750	753	756	760	767	769
1985	770	768	776	782	788	789	790	793	794	798	802	803
1986	806	808	810	813	815	818	820	823	825	827	828	830
1987	836	842	845	841	844	845	847	850	852	855	857	859

FINANCE, INSURANCE, & REAL ESTATE

SEASONALLY ADJUSTED



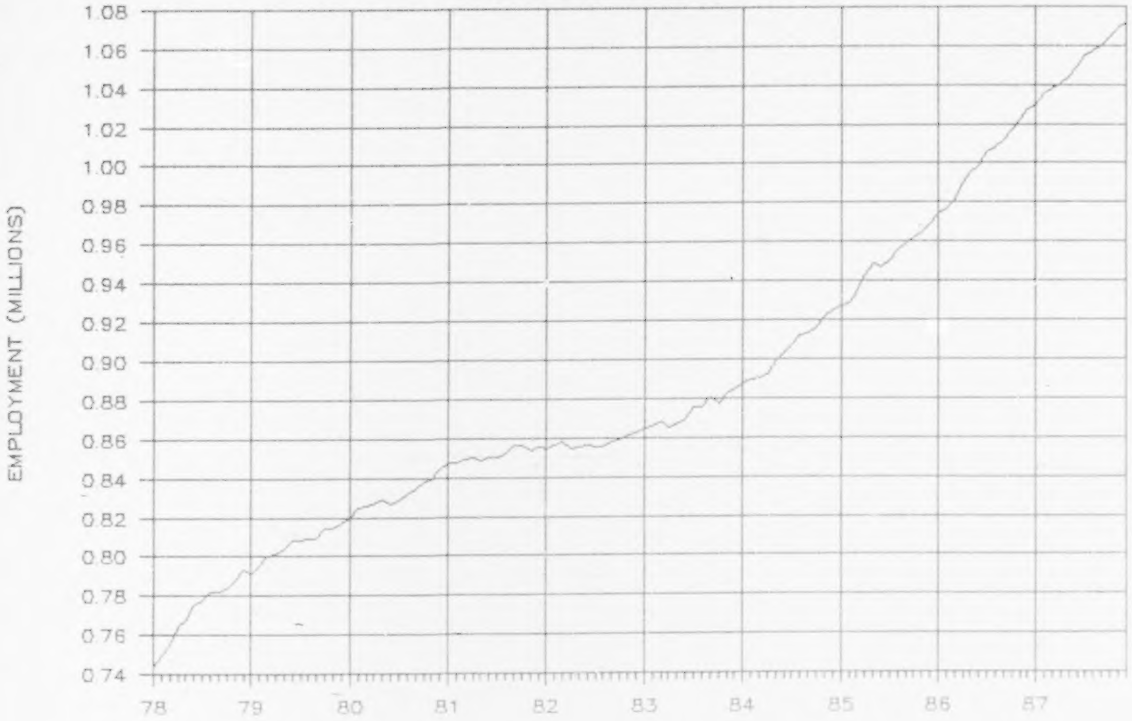
Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Finance, Insurance, and Real Estate

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	187	187	188	189	190	191	192	193	193	194	194	195
1979	196	197	197	198	199	201	202	202	202	204	204	205
1980	205	205	205	203	203	203	202	203	203	204	204	205
1981	205	205	206	206	206	205	206	206	206	206	206	206
1982	206	206	206	206	206	206	206	206	207	207	207	207
1983	207	207	208	208	208	208	208	208	208	208	207	207
1984	209	210	210	210	211	212	211	212	213	213	214	214
1985	215	215	216	217	218	218	219	221	222	223	224	224
1986	225	226	227	229	231	232	233	234	235	237	238	239
1987	239	240	241	241	242	243	244	245	245	246	246	247

SERVICES

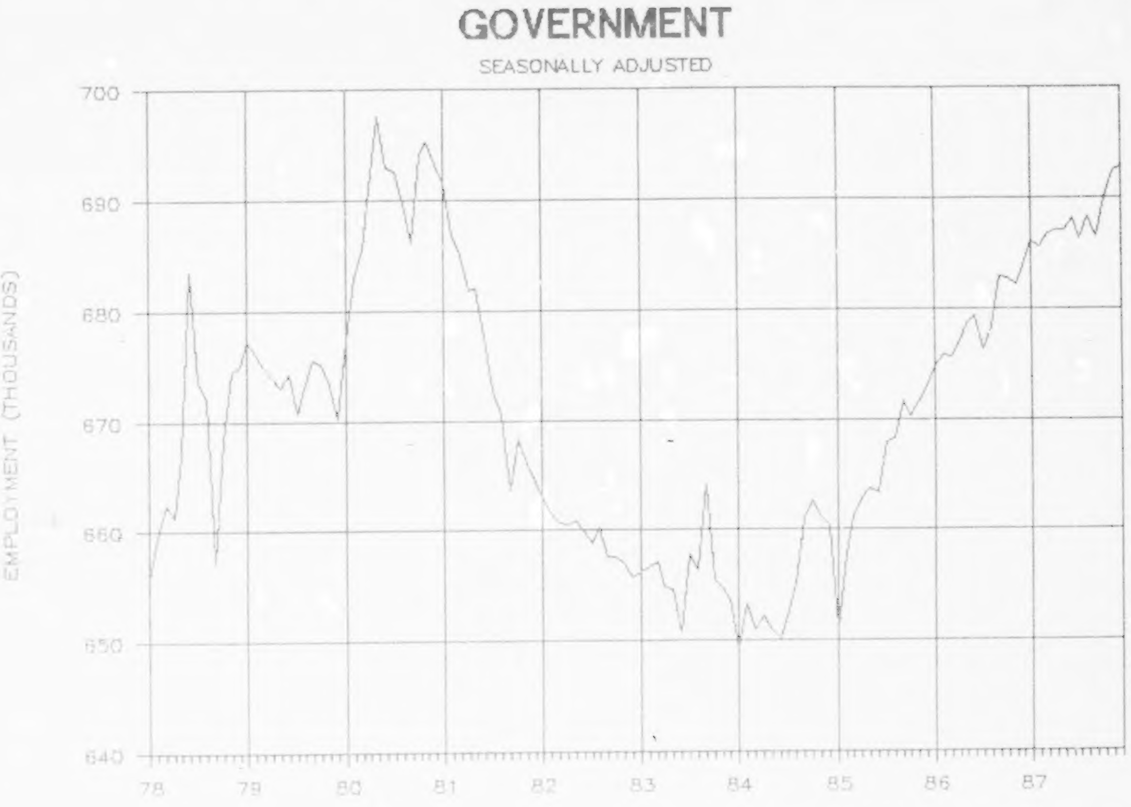
SEASONALLY ADJUSTED



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Services

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	744	750	755	765	767	775	778	782	782	784	788	793
1979	791	795	800	802	804	808	808	809	809	815	814	817
1980	820	825	826	826	829	826	828	832	835	838	839	844
1981	848	848	849	850	849	850	850	852	856	856	354	855
1982	855	856	858	855	856	857	856	855	858	859	861	863
1983	865	867	869	865	867	869	875	875	881	878	882	884
1984	888	890	890	892	899	904	907	913	913	917	922	925
1985	927	929	934	943	949	948	951	956	959	962	965	969
1986	974	977	981	990	996	998	1,006	1,009	1,012	1,017	1,023	1,028
1987	1,029	1,035	1,038	1,040	1,044	1,049	1,054	1,057	1,060	1,064	1,069	1,072



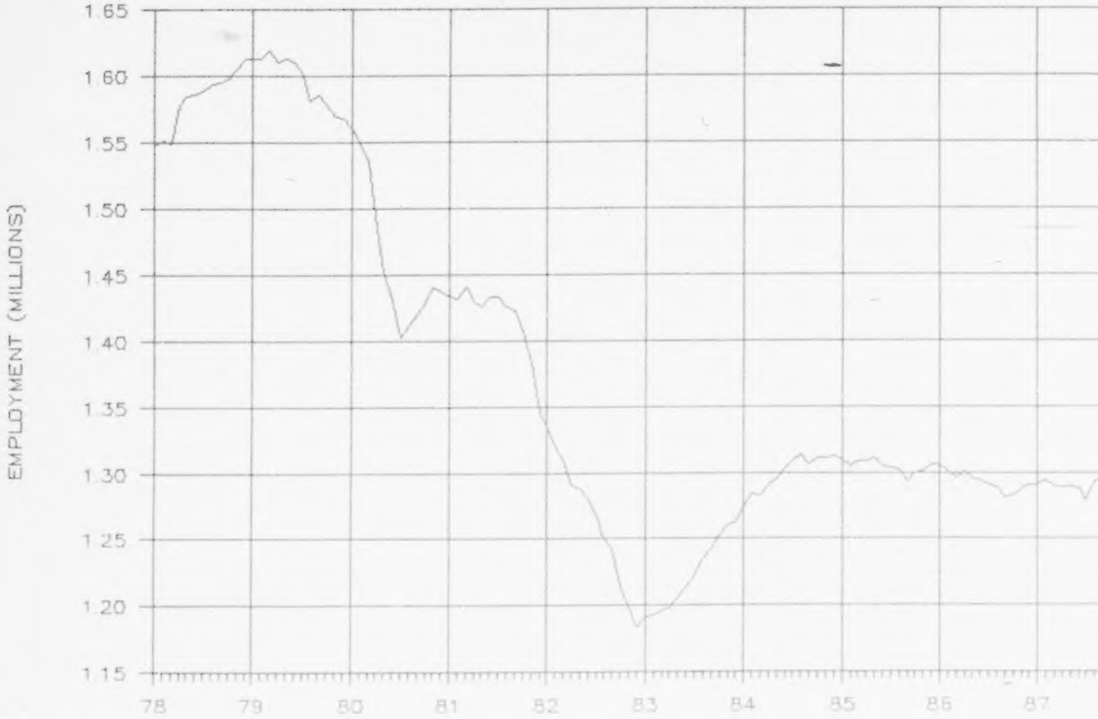
Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Government

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	656	660	662	661	667	684	674	672	657	668	674	675
1979	677	676	675	674	673	674	671	673	676	675	673	670
1980	677	683	685	691	697	693	693	690	686	694	695	693
1981	691	687	685	682	682	678	673	671	664	668	666	664
1982	663	662	661	661	661	660	659	660	658	658	657	656
1983	656	657	657	655	655	651	658	656	664	656	655	654
1984	649	653	651	652	651	650	652	655	661	663	661	660
1985	651	658	661	663	664	663	668	668	672	670	671	673
1986	675	676	676	677	679	679	676	678	683	683	682	684
1987	686	686	687	687	687	688	686	688	686	690	692	693

GOODS PRODUCING INDUSTRIES

SEASONALLY ADJUSTED



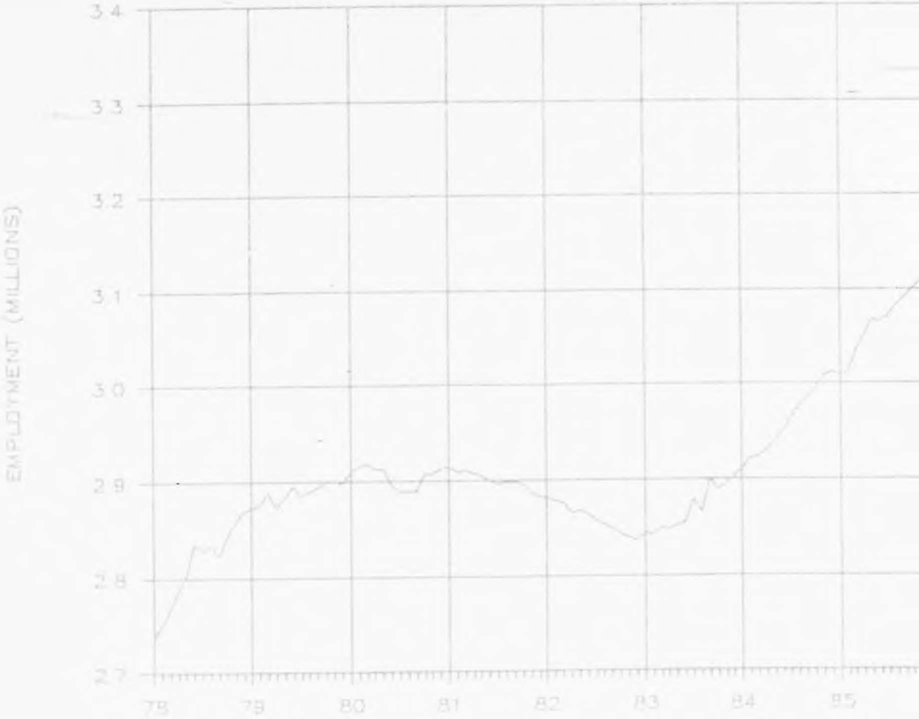
Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Goods Producing Industries

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	1,547	1,551	1,548	1,578	1,584	1,586	1,588	1,594	1,595	1,597	1,605	1,6
1979	1,613	1,613	1,620	1,610	1,613	1,611	1,601	1,581	1,585	1,577	1,569	1,5
1980	1,560	1,548	1,536	1,495	1,451	1,432	1,403	1,411	1,421	1,429	1,441	1,4
1981	1,433	1,432	1,440	1,429	1,425	1,433	1,433	1,426	1,423	1,406	1,382	1,3
1982	1,336	1,320	1,309	1,290	1,288	1,280	1,267	1,251	1,243	1,215	1,199	1,1
1983	1,192	1,193	1,197	1,198	1,206	1,213	1,222	1,235	1,243	1,253	1,261	1,2
1984	1,274	1,283	1,283	1,290	1,296	1,303	1,308	1,314	1,306	1,311	1,311	1,3
1985	1,309	1,305	1,308	1,308	1,311	1,305	1,303	1,301	1,294	1,299	1,301	1,3
1986	1,306	1,301	1,296	1,301	1,296	1,294	1,291	1,289	1,281	1,282	1,288	1,2
1987	1,291	1,295	1,289	1,290	1,289	1,288	1,280	1,293	1,296	1,297	1,303	1,3

SERVICE PRODUCING INDUSTRIES

SEASONALLY ADJUSTED



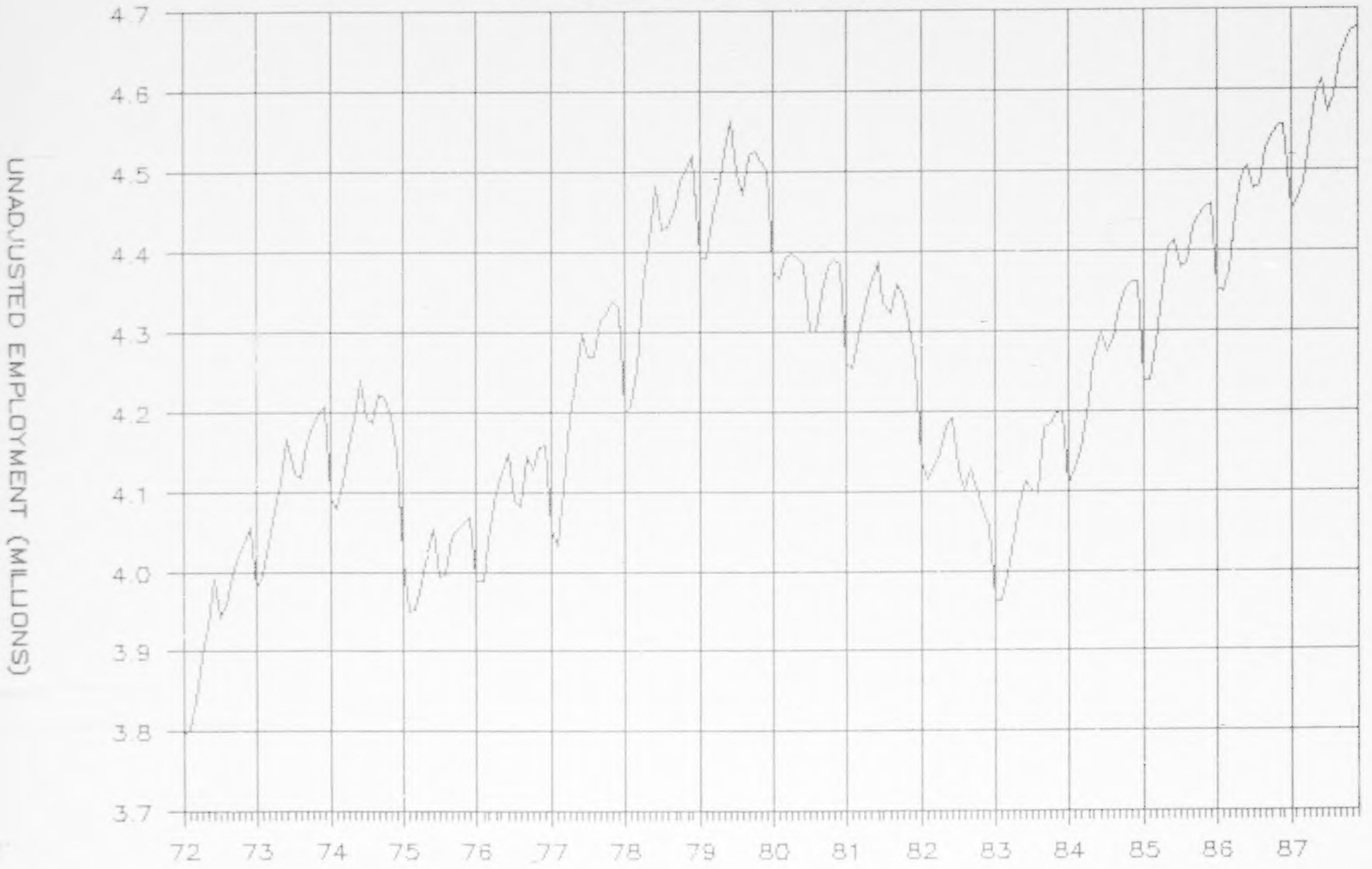
Ohio Nonagricultural Wage and Salary Employment: 1978 - 198
(in thousands)
Seasonally Adjusted

Service Producing Industries

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	O
1978	2,737	2,751	2,767	2,789	2,802	2,835	2,828	2,834	2,822	2,8
1979	2,871	2,877	2,888	2,873	2,884	2,894	2,884	2,889	2,894	2,9
1980	2,908	2,916	2,918	2,912	2,912	2,897	2,889	2,890	2,890	2,9
1981	2,914	2,910	2,911	2,907	2,905	2,901	2,897	2,899	2,898	2,8
1982	2,882	2,878	2,876	2,866	2,867	2,864	2,857	2,853	2,850	2,8
1983	2,845	2,844	2,850	2,848	2,852	2,855	2,879	2,865	2,900	2,8
1984	2,911	2,922	2,923	2,930	2,940	2,951	2,963	2,976	2,986	2,9
1985	3,008	3,016	3,034	3,051	3,067	3,065	3,073	3,083	3,092	3,1
1986	3,128	3,134	3,141	3,158	3,168	3,170	3,182	3,191	3,202	3,2
1987	3,241	3,255	3,263	3,262	3,272	3,280	3,287	3,296	3,301	3,3

STATE OF OHIO

TOTAL NONAGRICULTURAL EMPLOYMENT



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, BY INDUSTRIAL DIVISION, SINCE 1939[a]

(in thousands)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939....	1783.8	27.3	63.1	769.8	158.4	330.4	56.7	176.4	201.8
1940....	1906.6	27.0	65.3	843.6	169.2	350.5	56.1	184.6	210.2
1941....	2201.3	29.9	101.8	1039.4	186.8	370.9	60.4	192.6	219.4
1942....	2411.3	32.2	99.3	1204.9	198.2	368.3	58.3	200.1	250.1
1943....	2607.0	29.2	79.7	1390.1	204.7	360.3	56.0	201.6	285.4
1944....	2558.0	27.9	59.3	1359.7	209.8	361.8	55.5	202.3	281.8
1945....	2417.9	25.7	61.2	1218.2	207.1	358.9	56.9	209.8	280.1
1946....	2532.1	27.6	101.6	1190.0	219.2	410.6	65.5	239.9	277.7
1947....	2708.3	30.2	123.1	1269.3	227.6	457.3	69.2	259.5	272.1
1948....	2785.5	31.1	134.6	1261.7	235.8	495.7	72.2	277.0	277.6
1949....	2654.9	28.1	127.1	1142.2	217.5	503.7	73.6	274.8	287.8
1950....	2760.0	27.9	134.1	1220.0	223.3	505.7	76.8	277.3	294.8
1951....	2953.4	26.3	158.8	1339.5	236.6	523.8	79.4	283.0	306.0
1952....	3005.7	24.4	161.4	1357.3	235.0	537.4	85.4	291.5	313.2
1953....	3150.3	23.0	166.5	1446.9	240.1	557.2	89.3	303.1	324.3
1954....	3028.4	20.7	184.0	1314.0	221.3	555.9	92.6	307.8	332.1
1955....	3128.9	21.0	183.4	1370.6	223.8	571.2	96.3	318.5	344.1
1956....	3219.7	22.1	184.8	1393.7	228.9	598.0	100.6	335.0	356.7
1957....	3230.6	22.0	183.3	1370.9	226.4	609.4	104.9	346.9	366.9
1958....	3007.2	20.1	162.8	1198.3	207.6	586.6	107.9	344.6	379.4
1959....	3112.5	20.0	161.4	1264.5	208.5	603.3	111.8	356.2	386.7
1960....	3147.3	19.9	152.2	1264.8	208.7	619.2	116.2	367.2	399.2
1961....	3044.3	18.9	142.1	1183.2	198.5	601.3	119.2	368.7	412.5
1962....	3099.2	18.8	137.9	1218.2	198.1	605.2	120.5	376.4	424.2
1963....	3145.2	18.4	137.1	1236.6	197.1	611.3	122.6	390.3	431.7
1964....	3216.3	19.6	141.3	1259.1	197.8	624.0	124.9	409.3	440.3
1965....	3364.5	18.8	152.0	1326.0	202.3	647.6	127.0	432.1	458.6
1966....	3537.3	18.4	162.0	1404.4	207.5	675.2	129.6	457.1	483.0
1967....	3619.8	18.9	163.8	1401.4	209.0	697.3	135.3	484.6	509.5
1968....	3750.8	18.9	175.5	1433.5	214.4	727.0	141.0	512.2	528.3
1969....	3887.3	19.6	184.8	1471.0	221.0	759.0	146.0	541.2	544.8
1970....	3880.7	20.6	164.2	1409.9	225.0	773.2	154.2	568.1	565.5
1971....	3839.6	20.8	155.2	1333.8	223.8	782.8	158.6	587.4	577.2
1972....	3938.4	22.7	165.1	1346.8	222.9	816.3	163.8	611.7	589.1
1973....	4112.9	22.9	175.5	1426.3	224.9	852.6	169.0	643.9	597.8
1974....	4169.4	24.2	172.3	1416.6	227.8	873.8	171.9	669.7	613.1
1975....	4016.2	26.8	154.9	1267.5	213.2	868.0	173.1	686.3	626.4
1976....	4094.6	28.2	154.2	1295.3	213.7	890.8	177.0	703.2	632.2
1977....	4230.1	29.1	162.8	1344.1	219.1	917.8	183.4	731.4	642.3
1978....	4394.9	29.0	176.6	1377.2	225.0	956.4	191.1	772.1	667.5
1979....	4484.8	31.6	182.9	1382.3	232.1	975.2	200.6	806.2	674.0
1980....	4367.4	30.7	167.4	1264.3	223.1	957.2	203.8	830.9	689.9
1981....	4317.7	30.7	153.7	1232.6	217.2	950.1	205.8	851.6	676.0
1982....	4124.3	30.3	134.6	1099.9	206.8	929.4	206.4	857.3	659.6
1983....	4092.5	26.6	130.8	1066.0	198.5	933.5	207.8	873.3	656.1
1984....	4260.2	27.8	144.8	1127.0	203.9	984.7	211.5	905.2	655.2
1985....	4372.9	26.1	154.0	1124.2	202.7	1031.6	219.3	949.5	665.2
1986....	4471.4	22.6	160.7	1109.8	203.4	1062.9	232.3	1001.0	678.9
1987[b]...	4578.9	20.9	177.0	1095.3	206.9	1096.4	243.1	1051.2	688.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. [b] Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 (3-1-88) RS 790.1-2
(March 1987 BM)

PROPORTION OF NONAGRICULTURAL WAGE AND SALARY EMPLOYEES IN OHIO, BY INDUSTRIAL DIVISION, SINCE 1939[a]

(percent of Ohio total)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939....	100.0	1.5	3.5	43.2	8.9	18.5	3.2	9.9	11.3
1940....	100.0	1.4	3.4	44.2	8.9	18.4	2.9	9.7	11.0
1941....	100.0	1.4	4.6	47.2	8.5	16.8	2.7	8.7	10.0
1942....	100.0	1.3	4.1	50.0	8.2	15.3	2.4	8.3	10.4
1943....	100.0	1.1	3.1	53.3	7.9	13.8	2.1	7.7	10.9
1944....	100.0	1.1	2.3	53.2	8.2	14.1	2.2	7.9	11.0
1945....	100.0	1.1	2.5	50.4	8.6	14.8	2.4	8.7	11.6
1946....	100.0	1.1	4.0	47.0	8.7	16.2	2.6	9.5	11.0
1947....	100.0	1.1	4.5	46.9	8.4	16.9	2.6	9.6	10.0
1948....	100.0	1.1	4.8	45.3	8.5	17.8	2.6	9.9	10.0
1949....	100.0	1.1	4.8	43.0	8.2	19.0	2.8	10.4	10.8
1950....	100.0	1.0	4.9	44.2	8.1	18.3	2.8	10.0	10.7
1951....	100.0	.9	5.4	45.4	8.0	17.7	2.7	9.6	10.4
1952....	100.0	.8	5.4	45.2	7.8	17.9	2.8	9.7	10.4
1953....	100.0	.7	5.3	45.9	7.6	17.7	2.8	9.6	10.3
1954....	100.0	.7	6.1	43.4	7.3	18.4	3.1	10.2	11.0
1955....	100.0	.7	5.9	43.8	7.2	18.3	3.1	10.2	11.0
1956....	100.0	.7	5.7	43.3	7.1	18.6	3.1	10.4	11.1
1957....	100.0	.7	5.7	42.4	7.0	18.9	3.2	10.7	11.4
1958....	100.0	.7	5.4	39.8	6.9	19.5	3.6	11.5	12.6
1959....	100.0	.6	5.2	40.6	6.7	19.4	3.6	11.4	12.4
1960....	100.0	.6	4.8	40.2	6.6	19.7	3.7	11.7	12.7
1961....	100.0	.6	4.7	38.9	6.5	19.8	3.9	12.1	13.5
1962....	100.0	.6	4.4	39.3	6.4	19.5	3.9	12.1	13.7
1963....	100.0	.6	4.4	39.3	6.3	19.4	3.9	12.4	13.7
1964....	100.0	.6	4.4	39.1	6.1	19.4	3.9	12.7	13.7
1965....	100.0	.6	4.5	39.4	6.0	19.2	3.8	12.8	13.6
1966....	100.0	.5	4.6	39.7	5.9	19.1	3.7	12.9	13.7
1967....	100.0	.5	4.5	38.7	5.8	19.3	3.7	13.4	14.1
1968....	100.0	.5	4.7	38.2	5.7	19.4	3.8	13.7	14.1
1969....	100.0	.5	4.8	37.8	5.7	19.5	3.8	13.9	14.0
1970....	100.0	.5	4.2	36.3	5.8	19.9	4.0	14.6	14.6
1971....	100.0	.5	4.0	34.7	5.8	20.4	4.1	15.3	15.0
1972....	100.0	.6	4.2	34.2	5.7	20.7	4.2	15.5	15.0
1973....	100.0	.6	4.3	34.7	5.5	20.7	4.1	15.7	14.5
1974....	100.0	.6	4.1	34.0	5.5	21.0	4.1	16.1	14.7
1975....	100.0	.7	3.9	31.6	5.3	21.6	4.3	17.1	15.6
1976....	100.0	.7	3.8	31.6	5.2	21.8	4.3	17.2	15.4
1977....	100.0	.7	3.8	31.8	5.2	21.7	4.3	17.3	15.2
1978....	100.0	.7	4.0	31.3	5.1	21.8	4.3	17.6	15.2
1979....	100.0	.7	4.1	30.8	5.2	21.7	4.5	18.0	15.0
1980....	100.0	.7	3.8	28.9	5.1	21.9	4.7	19.0	15.8
1981....	100.0	.7	3.6	28.5	5.0	22.0	4.8	19.7	15.7
1982....	100.0	.7	3.3	26.7	5.0	22.5	5.0	20.8	16.0
1983....	100.0	.6	3.2	26.0	4.9	22.8	5.1	21.3	16.0
1984....	100.0	.7	3.4	26.5	4.8	23.1	5.0	21.2	15.4
1985....	100.0	.6	3.5	25.7	4.6	23.6	5.0	21.7	15.2
1986....	100.0	.5	3.6	24.8	4.5	23.8	5.2	22.4	15.2
1987[b]...	100.0	.5	3.9	23.9	4.5	23.9	5.3	23.0	15.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. [b] Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 (3-1-88) RS790.1-2.1
(March 1987 BM)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO MANUFACTURING AND NONMANUFACTURING, SINCE 1939[a]

Year	Employment (in thousands)					Manufacturing as Percent of Nonagricultural Employment	Durable Goods as Percent of Manufacturing Employment
	Nonagricultural Wage and Salary	Manufacturing			Nonmanufacturing		
		Total	Durable Goods	Nondurable Goods			
1939...	1783.8	769.8	487.7	282.1	1014.1	43.2	63.4
1940...	1906.6	843.6	554.4	289.2	1063.0	44.2	65.7
1941...	2201.3	1039.4	719.2	320.2	1161.9	47.2	69.2
1942...	2411.3	1204.9	862.8	342.1	1206.5	50.0	71.6
1943...	2607.0	1390.1	1039.2	350.9	1216.9	53.3	74.8
1944...	2558.0	1359.7	1013.9	345.8	1198.3	53.2	74.6
1945...	2417.9	1218.2	879.9	338.3	1199.8	50.4	72.2
1946...	2532.1	1190.0	818.4	371.6	1342.1	47.0	68.8
1947...	2708.3	1269.3	894.1	375.2	1439.1	46.9	70.4
1948...	2785.5	1261.7	887.6	374.1	1523.8	45.3	70.3
1949...	2654.9	1142.2	783.5	358.7	1512.7	43.0	68.6
1950...	2760.0	1220.0	847.7	372.3	1540.0	44.2	69.5
1951...	2953.4	1339.5	954.5	385.0	1613.9	45.4	71.3
1952...	3005.7	1357.3	973.1	384.2	1648.4	45.2	71.7
1953...	3150.3	1446.9	1052.0	394.9	1703.4	45.9	72.7
1954...	3028.4	1314.0	937.1	376.9	1714.4	43.4	71.3
1955...	3128.9	1370.6	980.0	390.5	1758.3	43.8	71.5
1956...	3219.7	1393.7	1002.0	391.7	1826.0	43.3	71.9
1957...	3230.6	1370.9	984.7	386.2	1859.6	42.4	71.8
1958...	3007.2	1198.3	828.9	369.4	1808.9	39.8	69.2
1959...	3112.5	1264.5	886.8	377.8	1848.0	40.6	70.1
1960...	3147.3	1264.8	889.8	375.0	1882.5	40.2	70.4
1961...	3044.3	1183.2	821.6	361.5	1861.2	38.9	69.4
1962...	3099.2	1218.2	853.6	364.7	1881.0	39.3	70.1
1963...	3145.2	1236.6	869.6	367.1	1908.5	39.3	70.3
1964...	3216.3	1259.1	887.1	372.0	1957.3	39.1	70.5
1965...	3364.3	1326.0	941.7	384.3	2038.3	39.4	71.0
1966...	3537.3	1404.4	1004.7	399.8	2132.8	39.7	71.5
1967...	3619.8	1401.4	998.6	402.8	2218.3	38.7	71.3
1968...	3750.8	1433.5	1021.8	411.7	2317.3	38.2	71.3
1969...	3887.3	1471.0	1052.7	418.2	2416.3	37.8	71.6
1970...	3880.7	1409.9	1002.5	407.4	2470.7	36.3	71.1
1971...	3839.6	1333.8	963.1	397.7	2505.7	34.7	70.2
1972...	3938.4	1346.8	948.8	398.0	2591.5	34.2	70.4
1973...	4112.9	1426.3	1018.2	408.1	2686.6	34.7	71.4
1974...	4169.4	1416.6	1013.1	403.5	2752.8	34.0	71.5
1975...	4016.2	1267.5	892.4	375.1	2748.7	31.6	70.4
1976...	4094.6	1295.3	910.6	384.6	2799.3	31.6	70.3
1977...	4230.1	1344.1	945.2	398.9	2886.0	31.8	70.3
1978...	4394.9	1377.2	974.5	402.7	3017.7	31.3	70.8
1979...	4484.8	1382.3	980.5	401.8	3102.5	30.8	70.9
1980...	4367.4	1264.3	882.6	381.8	3103.0	28.9	69.8
1981...	4317.7	1232.6	860.4	372.2	3085.1	28.5	69.8
1982...	4124.3	1099.9	752.4	347.5	3024.4	26.7	68.4
1983...	4092.5	1066.0	723.6	342.4	3026.5	26.0	67.9
1984...	4260.2	1127.0	773.4	353.6	3133.1	26.5	68.6
1985...	4372.9	1124.2	768.7	355.5	3248.6	25.7	68.4
1986...	4471.4	1109.8	752.7	357.1	3361.6	24.8	67.8
1987[b]..	4578.9	1095.3	736.4	358.9	3483.6	23.9	67.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Includes full- and part-time wage and salaried workers employed during pay periods including the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals because of rounding. [b]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 (3-1-88) RS 790.1-1
(March 1987 BM)

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1987[a]

(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4578.9	4447.6	4457.9	4435.0	4539.2	4591.6	4611.6	4572.3	4591.0	4641.3	4658.8	4674.2	4676.9
MANUFACTURING	1095.3	1086.5	1088.3	1086.6	1093.1	1094.9	1097.6	1084.3	1097.5	1108.3	1099.8	1103.7	1102.9
Durable Goods[b]	736.4	734.3	736.1	733.8	738.4	738.7	739.1	725.5	733.6	742.1	736.4	740.2	738.6
Lumber and wood products	19.6	17.8	17.9	18.5	19.3	19.6	19.9	20.1	20.5	20.4	20.6	20.6	20.0
Furniture and fixtures	14.4	14.1	14.0	14.1	14.2	14.2	14.5	14.1	14.6	14.9	14.6	14.6	14.5
Stone, clay, and glass products	48.0	47.1	46.9	47.3	47.7	48.1	48.7	48.1	48.5	48.5	48.2	48.3	48.1
Glass and glassware, pressed or blown.	10.0	10.5	10.4	10.3	10.1	10.1	10.1	9.4	9.8	9.9	9.8	9.7	9.6
Primary metal industries	95.4	92.4	93.7	94.8	94.8	94.3	95.0	93.5	95.3	97.2	97.5	98.2	98.0
Blast furnace and basic steel products	43.0	41.0	41.9	42.6	42.8	42.6	43.0	43.0	43.0	43.4	43.7	44.1	44.4
Iron and steel foundries	19.9	19.5	19.5	19.7	19.5	19.5	19.5	19.7	19.8	20.3	20.3	20.8	21.1
Nonferrous rolling and drawing	17.2	16.8	16.9	17.1	17.1	16.8	17.0	16.2	17.2	18.1	17.9	17.7	17.1
Fabricated metal products	133.4	132.8	132.4	132.7	133.0	133.2	134.4	131.6	132.8	134.5	134.1	135.0	134.8
Cutlery, hand tools, and hardware	9.6	9.7	9.5	9.6	9.6	9.5	9.5	9.4	9.5	9.6	9.8	9.9	9.9
Fabricated structural metal products..	29.1	28.4	27.9	28.2	28.9	29.4	29.4	29.6	29.5	29.8	29.4	29.3	29.2
Metal forgings and stampings	42.5	42.9	43.0	43.2	43.0	42.8	43.2	40.7	41.3	42.4	42.4	42.8	42.6
Machinery, except electrical	154.4	154.6	153.8	153.7	154.3	155.0	155.7	153.4	153.8	155.2	153.9	154.4	155.1
Construction and related machinery ...	12.3	12.5	12.2	12.2	12.4	12.4	12.4	12.2	12.2	12.3	12.3	12.4	12.4
Metalworking machinery	39.9	40.3	40.1	40.0	39.9	40.0	40.2	39.6	39.7	39.9	39.4	39.5	39.8
Special industry machinery	16.4	16.1	16.2	16.2	16.3	16.5	16.7	16.3	16.4	16.7	16.5	16.6	16.6
General industrial machinery	27.5	28.0	27.5	27.4	27.6	27.7	27.7	27.2	27.4	27.5	27.2	27.4	27.8
Office and computing machines	13.6	13.4	13.3	13.3	13.3	13.5	13.7	14.0	13.7	13.7	13.7	13.8	13.7
Refrigeration and service machinery ..	16.1	16.2	16.2	16.3	16.3	16.3	16.3	16.0	16.1	16.4	15.9	15.6	15.6
Electric and electronic equipment	86.3	88.1	87.7	86.8	86.0	85.9	85.8	85.9	85.4	86.4	85.4	86.2	86.3
Electrical industrial apparatus	15.9	16.0	16.1	15.8	15.7	15.8	15.8	15.8	15.9	16.0	16.0	16.0	16.1
Household appliances	16.3	17.2	17.0	16.8	16.1	16.3	16.4	16.0	16.0	16.4	16.0	15.9	15.9
Electric lighting and wiring equipment	17.1	17.5	17.4	17.3	17.1	17.0	17.0	17.0	16.6	16.8	16.9	17.0	17.1
Communication equipment	10.2	10.5	10.4	10.4	10.3	10.2	10.2	10.2	10.2	10.2	10.1	10.1	10.1
Transportation equipment	148.0	151.1	153.3	149.2	152.6	151.8	148.5	142.1	145.6	147.4	144.4	145.3	144.2
Motor vehicles and equipment	94.1	94.8	97.5	93.9	97.1	96.8	93.9	87.9	91.8	94.7	92.7	94.6	94.0
Aircraft and parts	44.3	47.0	46.4	46.0	46.1	45.5	45.0	44.5	44.1	43.0	42.0	41.1	40.7
Instruments and related products	23.0	22.8	22.8	22.9	22.8	22.7	22.8	22.7	23.0	23.1	23.1	23.5	23.6
Measuring and controlling devices	12.7	12.6	12.6	12.6	12.6	12.6	12.7	12.6	12.8	12.8	12.9	13.0	13.1
Nondurable Goods[c]	358.9	352.2	352.2	352.7	354.6	356.2	358.5	358.8	363.9	366.2	363.4	363.6	364.3
Food and kindred products	63.4	61.8	61.3	61.7	61.8	62.2	62.9	63.4	67.1	67.7	64.0	63.1	63.8
Meat products	9.6	9.5	9.4	9.5	9.5	9.4	9.7	9.6	9.5	9.9	9.6	9.7	9.7
Dairy products	10.4	9.9	10.0	10.1	10.1	10.2	10.5	10.6	10.6	10.7	10.5	10.5	10.7
Preserved fruits and vegetables	11.0	10.6	10.1	10.2	10.2	10.3	10.1	10.2	13.8	13.8	11.1	10.3	10.8
Bakery products	9.0	8.7	8.7	8.8	9.0	9.0	8.9	9.2	9.1	9.3	9.1	8.9	9.0
Beverages	9.5	9.4	9.5	9.4	9.3	9.4	9.7	9.8	9.8	9.7	9.4	9.3	9.4
Apparel and other textile products	15.9	15.4	15.6	15.7	15.8	15.8	15.8	15.8	15.9	16.3	16.4	16.5	16.2

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.0	36.4	36.5	36.4	36.5	36.6	37.0	36.7	36.9	37.5	37.4	37.6	38.0
Misc. converted paper products	11.9	11.8	11.8	11.7	11.7	11.7	11.9	11.9	12.0	12.2	12.2	12.2	12.3
Paperboard containers and boxes	12.8	12.3	12.4	12.5	12.5	12.6	12.7	12.6	12.8	13.1	13.1	13.2	13.2
Printing and publishing	70.2	68.8	68.9	68.8	69.5	69.7	69.8	70.6	70.9	70.8	71.1	71.6	71.7
Newspapers	19.3	19.3	19.3	19.2	19.1	19.2	19.2	19.4	19.4	19.3	19.3	19.5	19.8
Commercial printing	26.2	25.6	25.7	25.9	26.0	26.1	26.2	26.3	26.2	26.5	26.4	26.6	26.5
Chemicals and allied products	62.9	61.1	61.4	61.7	62.5	63.0	63.4	63.7	63.7	63.7	63.4	63.3	63.4
Industrial inorganic chemicals	9.3	9.3	9.3	9.4	9.3	9.3	9.3	9.0	9.3	9.4	9.3	9.4	9.4
Rubber and misc. plastics products	92.9	92.7	92.5	92.2	92.1	92.1	92.5	91.6	92.4	93.4	94.2	94.7	94.5
Tires and inner tubes	17.3	17.9	17.6	17.4	17.2	17.1	17.3	17.4	17.3	17.3	17.1	16.9	16.8
Miscellaneous plastics products	55.2	54.5	54.5	54.6	54.5	54.6	54.8	54.4	54.8	55.4	56.4	56.9	56.9
NONMANUFACTURING	3483.6	3361.1	3369.6	3398.4	3446.2	3496.7	3514.0	3488.0	3493.5	3533.0	3559.0	3570.4	3573.9
MINING	20.9	21.4	21.1	20.7	20.7	20.7	21.1	21.1	21.1	21.4	20.7	20.8	20.5
Bituminous coal and lignite mining	9.2	9.7	9.7	9.5	9.4	9.2	9.2	9.2	9.3	9.3	8.8	8.8	8.7
Oil and gas extraction	7.0	7.5	7.3	7.0	6.7	6.7	6.9	7.0	6.8	6.9	6.8	7.0	7.0
CONSTRUCTION	177.0	147.5	143.9	150.4	162.2	175.4	184.4	192.7	196.8	196.4	198.6	192.7	182.9
General building contractors	44.6	39.2	38.2	39.4	41.3	43.7	46.1	47.8	48.8	48.2	48.5	47.5	46.1
Heavy construction contractors	23.0	15.1	14.7	16.5	20.0	24.3	25.6	27.2	27.9	27.7	28.3	25.9	22.2
Highway and street construction	9.7	4.9	4.8	5.6	7.8	10.6	11.4	12.4	12.8	12.7	12.7	11.4	8.9
Special trade contractors	109.5	93.1	90.9	94.4	100.9	107.4	112.7	117.7	120.1	120.5	121.8	119.3	114.6
TRANSPORTATION AND PUBLIC UTILITIES	206.9	201.7	201.7	202.5	204.8	207.0	208.5	208.6	209.1	209.3	210.0	209.6	209.6
Railroad transportation	14.0	13.8	13.6	13.5	14.1	14.4	14.5	14.4	14.4	14.2	14.1	13.6	13.3
Transportation, except railroads	103.3	98.0	98.3	99.3	101.6	103.5	104.6	104.1	104.9	105.4	106.5	106.5	107.0
Trucking and warehousing	72.1	68.7	69.0	69.7	70.4	71.6	72.5	72.8	73.3	73.4	74.3	74.5	75.2
Communication, electric, gas services	89.6	89.9	89.7	89.7	89.1	89.1	89.5	90.1	89.9	89.8	89.4	89.4	89.3
Communication	47.6	48.3	48.2	48.1	47.2	47.2	47.3	47.5	47.4	47.6	47.5	47.6	47.6
Electric, gas, and sanitary services	42.0	41.6	41.5	41.7	41.9	41.9	42.2	42.6	42.5	42.2	41.9	41.8	41.8
WHOLESALE TRADE	248.7	242.4	243.0	244.1	246.2	248.2	250.4	250.6	251.1	251.2	252.4	252.2	252.8
Wholesale trade-durable goods	156.4	152.3	152.9	153.4	154.8	156.1	157.2	157.6	157.8	157.8	158.9	158.7	153.9
Motor vehicles & automotive equipment	21.8	21.3	21.3	21.3	21.6	21.7	21.9	22.0	21.9	22.0	22.0	21.9	22.0
Electrical goods	19.4	19.2	19.2	19.3	19.2	19.3	19.3	19.2	19.2	19.3	19.6	19.7	19.8
Machinery, equipment, and supplies	67.1	65.8	66.2	66.2	66.6	66.9	67.3	67.6	67.7	67.5	67.7	67.8	67.7
Wholesale trade-nondurable goods	92.3	90.1	90.1	90.7	91.4	92.1	93.2	93.0	93.3	93.4	93.5	93.4	93.9
Groceries and related products	28.9	28.3	28.2	28.4	28.4	28.6	29.3	29.0	29.2	29.3	29.4	29.5	29.6
RETAIL TRADE	847.7	818.5	811.7	818.6	830.8	845.8	851.5	852.8	858.1	861.1	862.3	873.9	887.8
General merchandise stores	119.2	120.1	114.7	114.6	114.5	115.4	115.1	115.6	116.6	118.2	121.7	128.5	134.9
Department stores	104.1	105.6	100.4	100.2	100.3	100.8	100.5	100.7	101.4	102.8	105.8	112.1	118.1
Food stores	131.0	128.2	128.1	128.2	129.3	130.6	131.3	131.4	131.7	132.6	132.2	133.5	135.2
Automobile dealers and service stations	92.9	90.3	90.5	90.7	91.8	92.5	93.8	94.4	94.5	94.5	94.3	93.9	93.7
Apparel and accessory stores	41.8	41.4	40.1	40.2	40.4	40.8	40.7	40.8	41.6	41.8	42.7	44.1	46.7
Eating and drinking places	297.4	280.1	281.3	286.4	293.9	302.1	305.3	305.0	307.0	306.4	300.6	300.0	300.2

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	243.1	236.6	237.5	238.5	240.0	241.8	244.7	246.8	247.2	246.1	245.7	246.2	246.7
Banking	63.1	62.3	62.2	62.3	62.4	62.7	63.3	63.8	63.9	63.6	63.3	63.3	63.6
Credit agencies other than banks	37.3	36.4	36.5	36.6	37.1	37.1	37.5	37.7	37.8	37.6	37.5	37.7	37.8
Insurance carriers	67.9	66.7	67.2	67.6	67.3	67.6	68.1	68.3	68.3	68.3	68.3	68.6	68.8
Life insurance	25.8	25.7	25.8	25.8	25.7	25.8	26.0	25.7	25.8	25.8	25.7	25.8	25.9
Fire, marine, and casualty insurance..	29.9	29.1	29.3	29.6	29.5	29.7	29.9	30.3	30.1	30.2	30.3	30.5	30.5
SERVICES	1051.2	1003.5	1013.5	1021.8	1041.3	1053.7	1065.9	1068.2	1068.6	1074.7	1070.4	1067.5	1064.7
Hotels and other lodging places	34.4	31.8	32.0	32.3	33.5	34.7	36.1	36.9	37.1	35.9	34.5	34.1	33.9
Personal services	56.7	56.4	57.0	57.6	58.3	55.8	56.0	55.7	55.8	56.2	56.8	56.9	57.3
Laundry, cleaning, & garment services.	18.8	18.2	18.1	18.3	18.6	18.8	18.9	18.8	18.8	19.0	19.3	19.3	19.2
Business services	209.6	198.9	200.2	201.8	204.4	206.6	210.0	213.4	214.4	215.6	216.5	216.1	216.7
Services to buildings	29.4	28.3	28.5	28.6	28.9	29.4	29.7	29.6	30.1	30.0	29.9	30.1	30.1
Computer and data processing services.	18.9	18.7	19.0	18.7	18.2	18.2	18.5	18.9	18.9	19.0	19.2	19.4	19.5
Amusement and recreation services	41.2	28.1	28.6	30.5	38.2	47.3	53.6	54.5	54.4	50.5	38.8	35.7	33.8
Health services	360.1	351.8	352.9	354.4	356.2	357.5	360.3	363.7	364.6	364.6	365.0	364.9	365.8
Nursing and personal care facilities..	79.5	77.3	77.4	77.9	78.7	79.1	79.6	80.4	80.8	81.0	80.8	80.7	80.8
Hospitals	176.6	173.4	173.9	174.4	175.0	175.5	177.0	178.6	178.7	178.3	178.4	178.1	178.4
Educational services	60.2	61.6	65.6	64.9	64.4	61.3	56.1	48.7	47.5	58.1	64.2	65.8	63.8
Colleges and universities	32.2	33.7	37.2	36.2	35.7	32.4	28.2	23.7	22.9	30.5	35.2	36.4	34.4
GOVERNMENT	688.1	689.5	697.2	701.9	700.2	704.2	687.5	647.1	641.4	672.7	698.9	707.6	708.9
Federal government	94.9	94.3	94.0	94.1	94.7	94.6	95.2	95.3	95.2	95.1	94.8	95.3	95.9
State government	152.6	153.5	156.7	159.3	159.2	158.9	149.9	136.6	133.9	143.3	158.1	160.4	162.0
State government education[d]	78.6	80.5	84.5	85.8	84.9	85.1	74.5	60.9	57.3	68.7	84.9	87.3	88.7
State government, except education ...	74.0	73.0	72.2	73.5	74.2	73.8	75.3	75.7	76.6	74.6	73.2	73.1	73.3
Local government	440.6	441.7	446.5	448.5	446.3	450.6	442.5	415.2	412.3	434.4	446.1	451.9	451.0
Local government education	254.7	260.2	265.6	267.2	263.6	265.3	251.6	220.3	219.1	247.4	262.0	267.5	267.2
Local government, except education ...	185.8	181.5	180.9	181.3	182.7	185.4	190.9	194.9	193.3	187.0	184.1	184.4	183.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-0 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4471.4	4352.2	4348.7	4374.5	4446.6	4492.0	4505.8	4476.4	4481.4	4525.4	4542.1	4554.9	4557.4
MANUFACTURING	1109.8	1113.5	1109.8	1110.0	1114.1	1112.3	1117.9	1110.1	1109.5	1109.7	1101.8	1105.8	1103.1
Durable Goods[b]	752.7	759.6	756.7	757.2	760.1	756.9	759.6	752.0	749.3	747.5	741.6	746.4	745.5
Lumber and wood products	18.1	16.7	16.9	17.2	18.0	18.5	18.4	18.5	18.8	18.8	19.0	18.7	18.1
Furniture and fixtures	14.6	14.1	14.4	14.6	14.6	14.7	14.7	14.5	14.9	14.8	14.6	14.5	14.4
Stone, clay, and glass products	49.5	48.2	47.7	48.2	49.6	49.9	50.6	50.9	50.6	50.7	49.7	49.2	48.4
Glass and glassware, pressed or blown	11.0	11.1	11.1	11.1	11.2	11.0	11.1	11.3	10.9	11.0	10.6	10.8	10.9
Primary metal industries	95.4	98.8	98.9	99.0	98.5	96.3	97.0	95.0	93.0	90.2	90.2	92.4	93.1
Blast furnace and basic steel products	42.4	44.3	44.4	44.6	44.5	44.3	44.0	43.0	41.2	37.6[e]	39.3	40.6	41.3
Iron and steel foundries	20.2	20.6	21.0	21.2	20.9	20.9	20.3	19.8	19.4	19.6	19.3	19.5	19.6
Nonferrous rolling and drawing	17.7	18.4	18.1	17.9	17.8	17.9	17.6	17.2	17.3	17.7	17.7	17.5	17.4
Fabricated metal products	136.5	137.0	137.0	137.4	137.8	137.4	137.6	136.0	135.9	136.2	135.6	135.0	135.1
Cutlery, hand tools, and hardware	10.4	11.1	11.0	11.0	10.9	10.5	10.3	9.9	9.9	10.0	9.9	10.0	9.9
Fabricated structural metal products	29.1	28.5	28.3	28.4	28.8	29.3	29.8	29.7	29.7	29.5	29.4	29.2	29.1
Metal forgings and stampings	43.4	43.7	43.8	44.1	44.2	43.7	43.8	42.7	42.3	43.2	43.1	43.0	43.4
Machinery, except electrical	158.6	161.6	160.5	160.7	160.4	160.2	160.1	158.6	157.6	157.7	153.6	156.5	156.0
Construction and related machinery	13.1	13.5	13.2	13.0	13.2	13.1	13.1	13.2	13.1	13.2	13.0	12.9	12.9
Metalworking machinery	41.5	42.0	41.6	41.7	41.7	41.7	41.8	41.6	41.3	41.2	41.2	41.0	40.8
Special industry machinery	16.9	17.4	17.2	17.3	17.0	17.1	17.0	16.6	16.6	16.9	16.7	16.6	16.4
General industrial machinery	28.3	29.2	29.0	28.8	28.8	28.7	28.7	28.5	28.3	28.3	24.8[e]	28.1	28.1
Office and computing machines	13.6	13.5	13.6	13.6	13.5	13.6	13.7	13.9	13.8	13.6	13.5	13.4	13.4
Refrigeration and service machinery	16.3	16.6	16.6	16.6	16.5	16.6	16.5	16.1	15.9	16.0	16.1	16.1	16.3
Electric and electronic equipment	89.1	89.9	88.9	89.0	89.5	90.0	89.4	88.3	88.9	89.2	88.8	88.8	88.3
Electrical industrial apparatus	17.0	17.7	17.6	17.5	17.1	17.7	17.1	16.9	16.7	16.6	16.4	16.3	16.1
Household appliances	16.9	16.6	16.7	16.7	16.9	16.8	16.9	16.5	17.0	17.2	17.3	17.4	16.9
Electric lighting and wiring equipment	17.7	18.1	18.1	18.0	17.9	17.7	17.6	17.5	17.6	17.5	17.4	17.5	17.6
Communication equipment	10.5	10.6	10.6	10.6	10.7	10.6	10.5	10.3	10.4	10.5	10.5	10.5	10.6
Transportation equipment	153.9	156.4	155.6	154.3	154.6	150.7	154.3	153.6	152.6	152.6	152.8	153.9	154.8
Motor vehicles and equipment	98.2	101.7	101.0	99.3	99.4	95.4	98.7	97.7	96.5	96.4	96.7	97.5	98.3
Aircraft and parts	46.4	45.5	45.3	45.6	45.9	46.0	46.4	46.7	47.0	47.1	47.1	47.3	47.3
Instruments and related products	23.3	23.3	23.1	23.1	23.4	23.4	23.6	22.8	23.4	23.4	23.3	23.3	23.4
Measuring and controlling devices	12.4	12.3	12.2	12.1	12.3	12.4	12.5	11.9	12.5	12.6	12.5	12.7	12.8
Nondurable Goods[c]	357.1	353.9	353.1	352.8	354.0	355.4	358.3	358.1	360.2	362.3	360.2	359.4	357.6
Food and kindred products	63.0	61.3	60.9	60.7	60.7	61.7	62.8	63.3	65.8	66.9	64.9	63.7	63.5
Meat products	9.7	9.4	9.4	9.4	9.4	9.5	9.7	10.0	9.7	9.8	10.0	9.8	9.8
Dairy products	10.0	9.5	9.5	9.6	9.9	10.0	10.2	10.4	10.3	10.1	10.0	10.0	10.1
Preserved fruits and vegetables	11.1	10.6	10.3	10.3	10.1	10.3	10.4	10.5	12.9	13.9	11.7	10.8	10.8
Bakery products	8.7	8.4	8.4	8.4	8.5	8.6	8.8	8.8	8.9	8.9	8.9	9.0	8.8
Beverages	9.8	9.6	9.6	9.6	9.5	9.8	10.1	10.1	10.1	9.9	9.8	9.7	9.6
Apparel and other textile products	16.3	16.6	16.2	16.2	16.0	16.2	16.1	15.9	16.1	16.5	16.6	16.8	16.4

See footnotes at end of table.

2.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.1	37.6	37.4	37.3	37.0	37.0	37.1	37.1	37.3	37.3	36.7	36.7	36.8
Misc. converted paper products	11.9	12.0	12.0	11.9	11.7	11.8	11.7	11.9	12.0	12.0	11.9	11.9	11.9
Paperboard containers and boxes	12.5	12.6	12.6	12.6	12.6	12.6	12.7	12.6	12.5	12.6	12.4	12.4	12.4
Printing and publishing	68.4	67.8	67.6	67.6	68.1	68.2	68.7	68.4	68.0	68.4	69.4	69.8	69.5
Newspapers	18.9	18.6	18.6	18.7	18.8	18.9	19.1	18.7	18.8	18.8	19.3	19.3	19.4
Commercial printing	26.1	25.9	25.8	25.9	26.1	26.2	26.1	26.0	26.2	26.3	26.4	26.5	26.1
Chemicals and allied products	62.8	62.3	62.3	62.5	63.0	63.0	63.4	63.5	63.2	62.9	62.5	62.3	62.3
Industrial inorganic chemicals	9.8	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.8	9.7	9.6	9.5
Rubber and misc. plastics products	92.7	91.8	92.2	92.1	92.5	92.5	93.2	92.7	92.8	93.4	93.4	93.4	93.0
Tires and inner tubes	18.3	18.7	18.5	18.3	18.3	18.2	18.2	18.2	18.2	18.2	18.1	18.1	18.0
Miscellaneous plastics products	54.0	52.6	53.3	53.5	53.6	53.7	54.3	54.1	54.1	54.7	54.7	54.7	54.6
NONMANUFACTURING	3361.6	3238.7	3238.8	3264.5	3332.5	3379.6	3387.9	3366.4	3372.0	3415.6	3440.3	3449.1	3454.3
MINING	22.6	24.7	23.8	23.1	22.6	22.5	22.5	22.4	21.9	21.8	21.8	21.9	21.8
Bituminous coal and lignite mining	10.1	10.6	10.3	10.2	10.2	10.2	10.1	10.2	10.0	9.9	9.9	9.9	9.8
Oil and gas extraction	7.9	10.2	9.6	8.8	7.8	7.6	7.5	7.3	7.0	7.0	7.2	7.4	7.5
CONSTRUCTION	160.7	133.8	128.7	133.9	151.2	161.9	167.8	175.5	179.0	178.2	179.7	174.2	164.2
General building contractors	40.6	35.3	34.1	35.2	37.8	40.3	42.1	43.7	44.6	44.0	44.4	43.4	42.0
Heavy construction contractors	20.6	13.4	12.6	13.6	18.9	22.1	23.6	24.5	25.2	25.1	25.6	23.1	19.6
Highway and street construction	9.0	4.2	4.0	4.7	8.0	10.3	11.4	11.7	12.1	12.0	11.6	10.1	7.9
Special trade contractors	99.5	85.2	81.9	85.1	94.5	99.5	102.1	107.3	109.3	109.0	109.7	107.7	102.6
TRANSPORTATION AND PUBLIC UTILITIES	203.4	198.0	197.5	198.9	202.0	203.4	200 3	205.2	206.0	206.5	207.9	207.8	207.8
Railroad transportation	15.6	15.4	15.3	15.3	16.0	16.0	15.7	16.0	15.9	15.8	15.6	15.1	14.5
Transportation, except railroads	97.8	92.5	92.3	93.7	95.9	97.1	98.2	98.3	99.0	99.9	102.0	102.4	102.9
Trucking and warehousing	68.9	65.5	65.2	66.4	67.4	67.9	68.7	69.3	69.9	70.2	71.5	72.0	72.7
Communication, electric, gas services .	90.1	90.1	89.9	90.0	90.1	90.3	86.3	91.0	91.1	90.8	90.3	90.4	90.3
Communication	48.3	48.9	48.8	48.8	48.8	48.8	45.2[c]	48.5	48.5	48.5	48.2	48.3	48.2
Electric, gas, and sanitary services..	41.7	41.2	41.1	41.2	41 2	41.5	41.1	42.5	42.5	42.3	42.1	42.1	42.1
WHOLESALE TRADE	244.3	242.9	241.9	242.3	243.8	244.9	245.9	245.6	245.0	244.2	245.3	244.7	244.7
Wholesale trade-durable goods	154.6	154.6	154.0	154.3	154.7	155.0	155.3	155.4	154.7	154.3	154.7	154.0	153.7
Motor vehicles & automotive equipment.	22.1	22.5	22.3	22.4	22.1	22.2	22.3	22.3	22.1	22.0	21.8	21.7	21.7
Electrical goods	19.9	20.7	20.6	20.6	20.2	20.0	19.9	19.8	19.5	19.2	19.4	19.5	19.4
Machinery, equipment, and supplies ...	66.5	66.8	66.6	66.5	66.9	66.8	66.8	66.8	66.6	66.4	66.1	65.8	65.5
Wholesale trade-nondurable goods	89.7	88.3	87.9	88.0	89.1	89.8	90.6	90.1	90.3	90.0	90.6	90.7	91.0
Groceries and related products	28.3	27.6	27.5	27.6	27.9	28.3	28.7	28.3	28.4	28.5	28.8	28.9	29.0
RETAIL TRADE	818.6	788.0	778.7	784.8	803.2	816.6	824.4	825.4	830.9	833.7	834.2	844.4	858.2
General merchandise stores	115.3	116.6	110.3	109.1	109.6	110.3	111.2	111.6	113.2	115.6	118.8	125.1	131.9
Department stores	102.1	104.6	98.7	97.5	97.8	98.1	98.7	98.7	99.9	101.8	104.3	109.7	115.9
Food stores	128.3	125.7	125.1	125.0	126.7	128.1	128.7	128.9	129.4	129.8	129.3	130.9	132.3
Automobile dealers and service stations.	90.7	87.9	88.2	88.9	90.2	90.9	91.9	92.4	92.4	92.2	91.6	91.1	90.7
Apparel and accessory stores	39.0	38.0	36.7	37.0	37.1	37.6	37.8	38.1	39.0	39.1	40.6	42.1	44.7
Eating and drinking places	288.1	267.5	268.3	273.4	285.3	293.1	297.7	297.4	299.5	298.5	292.8	292.0	291.9

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	232.3	223.4	224.2	225.3	228.3	230.9	234.0	236.0	236.5	236.2	236.4	237.3	238.5
Banking	61.5	60.7	60.8	60.9	61.0	61.3	61.8	62.0	61.9	61.9	61.8	61.9	62.2
Credit agencies other than banks	36.0	34.7	35.0	35.2	35.8	36.2	36.5	36.7	36.7	36.5	36.3	36.4	36.6
Insurance carriers	64.0	61.1	61.5	61.8	62.5	63.1	64.0	64.3	65.0	65.4	65.6	66.2	66.9
Life insurance	24.3	23.2	23.3	23.4	23.6	24.0	24.3	24.2	24.6	24.9	25.2	25.5	26.0
Fire, marine, and casualty insurance..	28.7	27.9	28.0	28.2	28.4	28.4	28.8	29.0	29.1	29.1	29.1	29.2	29.4
SERVICES	1001.0	949.7	956.8	965.7	991.4	1004.5	1014.4	1018.6	1019.9	1025.9	1023.4	1021.7	1019.5
Hotels and other lodging places	33.6	31.2	31.4	31.4	32.7	34.1	35.2	36.2	36.2	35.1	33.7	33.3	33.1
Personal services	54.0	53.4	53.8	54.2	55.0	53.4	53.4	53.3	53.4	53.9	54.6	54.5	54.8
Laundry, cleaning, & garment services.	18.1	17.4	17.4	17.6	18.0	18.2	18.3	18.1	18.1	18.3	18.6	18.6	18.6
Business services	192.7	177.7	178.7	180.5	187.2	189.8	192.9	197.0	198.5	200.0	202.7	203.5	204.5
Services to buildings	27.9	26.5	26.7	27.0	27.4	27.7	28.1	28.1	28.4	28.4	28.4	28.6	28.7
Computer and data processing services.	17.5	16.7	16.9	16.8	17.0	17.2	17.4	17.7	17.8	17.8	18.0	18.1	18.3
Amusement and recreation services	39.7	27.3	27.8	29.8	37.3	45.5	51.3	52.1	52.5	48.6	37.1	34.1	32.8
Health services	344.5	335.0	335.9	337.2	339.8	341.5	344.7	348.0	348.7	349.5	350.6	351.5	352.1
Nursing and personal care facilities..	76.2	73.5	73.8	74.2	74.8	75.6	76.8	77.1	77.6	78.0	77.6	77.9	77.9
Hospitals	170.1	166.2	166.5	166.9	168.2	168.5	169.6	171.7	171.6	171.8	172.8	173.5	173.4
Educational services	60.1	61.3	64.4	64.1	63.7	60.9	54.9	49.9	49.0	58.7	64.6	65.8	63.7
Colleges and universities	32.7	33.6	36.4	35.9	35.5	32.6	27.8	25.3	24.8	31.7	36.3	37.3	35.2
GOVERNMENT	678.9	678.0	687.3	690.5	690.0	694.9	678.6	637.7	632.8	669.2	691.6	697.1	699.6
Federal government	94.0	93.2	93.1	93.7	93.7	94.0	94.3	94.6	94.4	94.0	93.1	94.1	95.4
State government	148.4	147.5	152.0	153.0	154.3	153.7	145.9	132.0	131.9	141.9	154.9	155.8	157.3
State government education[d]	76.6	78.2	82.4	83.2	82.4	82.4	72.3	57.9	56.8	69.4	83.6	84.7	85.4
State government, except education ...	71.8	69.3	69.6	69.8	72.0	71.3	73.6	74.1	75.1	72.5	71.3	71.1	71.8
Local government	436.6	437.3	442.2	443.8	441.9	447.2	438.4	411.2	406.5	433.2	443.6	447.1	446.9
Local government education	250.9	254.7	260.5	261.6	259.2	262.0	247.6	215.9	213.8	247.4	260.3	264.1	264.3
Local government, except education ...	185.7	182.6	181.6	182.2	182.8	185.2	190.8	195.3	192.6	185.8	183.3	183.0	182.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-0 (1986)

1.

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.73	$11.77	$11.77	$11.73	$11.71	$11.71	$11.70	$11.58	$11.64	$11.74	$11.76	$11.84	$11.84
Durable Goods[b]	12.11	12.18	12.17	12.12	12.10	12.09	12.06	11.89	12.00	12.10	12.13	12.22	12.21
Lumber and wood products	7.31	7.15	7.27	7.29	7.32	7.31	7.34	7.28	7.34	7.30	7.38	7.37	7.30
Furniture and fixtures	8.64	8.59	8.43	8.47	8.50	8.60	8.57	8.64	8.74	8.66	8.73	8.79	8.92
Stone, clay, and glass products	10.71	10.79	10.67	10.75	10.71	10.74	10.72	10.68	10.60	10.78	10.68	10.69	10.68
Glass and glassware, pressed or blown	11.52	11.54	11.36	11.29	11.37	11.42	11.44	11.67	11.46	11.74	11.75	11.62	11.59
Primary metal industries	13.54	13.43	13.45	13.42	13.50	13.45	13.48	13.43	13.51	13.79	13.60	13.72	13.65
Blast furnace and basic steel products	13.93	13.79	13.80	13.75	13.84	13.83	13.85	13.84	13.93	14.30	14.02	14.07	14.06
Iron and steel foundries	13.93	13.93	14.03	13.95	14.14	13.90	13.94	13.54	13.80	13.80	13.98	14.14	13.97
Nonferrous rolling and drawing	14.28	13.91	14.04	14.05	13.98	14.05	14.15	14.35	14.36	14.77	14.39	14.68	14.57
Fabricated metal products	11.74	11.97	11.95	11.84	11.71	11.71	11.69	11.43	11.53	11.60	11.79	11.83	11.75
Cutlery, hand tools, and hardware	11.79	11.83	11.86	11.89	11.89	11.69	11.61	11.55	11.55	11.67	11.88	12.09	11.97
Fabricated structural metal products	10.67	10.51	10.66	10.69	10.51	10.78	10.64	10.28	10.69	10.66	10.81	10.83	10.88
Metal forgings and stampings	14.10	14.67	14.57	14.25	14.03	13.96	14.04	13.76	13.72	13.82	14.15	14.17	13.90
Machinery, except electrical	11.71	11.73	11.76	11.83	11.71	11.67	11.78	11.59	11.57	11.57	11.69	11.83	11.78
Construction and related machinery	10.16	10.10	.19	10.20	10.13	10.27	10.27	10.09	9.96	10.05	10.19	10.20	10.20
Metalworking machinery	11.16	11.09	.10	11.07	11.09	11.12	11.09	11.04	11.09	11.13	11.25	11.32	11.44
Special industry machinery	11.30	11.01	11.05	11.27	11.28	11.20	11.33	11.25	11.30	11.44	11.46	11.43	11.60
General industrial machinery	12.21	11.98	12.10	12.50	12.04	12.18	12.35	12.06	12.12	12.31	12.20	12.37	12.26
Office and computing machines	9.76	9.54	9.63	9.66	9.60	9.68	9.71	9.70	9.90	9.80	9.85	9.88	10.08
Refrigeratiion and service machinery	13.44	14.19	14.11	13.55	13.34	13.21	13.40	13.18	13.04	12.99	13.19	13.67	13.37
Electric and electronic equipment	11.13	11.17	11.05	11.11	11.15	11.16	11.10	11.01	11.10	11.19	11.15	11.19	11.18
Electric and industrial apparatus	11.01	10.78	10.84	10.78	11.01	11.11	11.15	11.03	11.10	11.13	11.06	11.09	10.97
Household appliances	11.74	11.77	11.56	11.70	11.65	11.70	11.65	11.57	11.72	11.78	11.84	11.93	12.05
Electric lighting and wiring equipment	11.39	11.82	11.50	11.65	11.65	11.42	11.36	11.15	11.09	11.25	11.28	11.24	11.22
Communication equipment	11.88	11.41	11.52	11.62	11.92	12.24	12.20	11.97	11.96	12.07	12.20	11.78	11.68
Transportation equipment	14.47	14.43	14.43	14.36	14.32	14.41	14.32	14.18	14.47	14.45	14.63	14.75	14.85
Motor vehicles and equipment	14.91	14.95	14.90	14.83	14.79	14.85	14.77	14.65	14.86	14.81	15.04	15.15	15.25
Aircraft and parts	13.49	13.26	13.43	13.27	13.15	13.37	13.31	13.27	13.79	13.73	13.78	13.81	13.91
Instruments and related products	9.13	9.15	9.07	9.11	9.13	9.11	9.14	9.07	9.09	9.19	9.10	9.12	9.22
Measuring and controlling devices	9.27	9.48	9.37	9.45	9.47	9.31	9.28	9.24	9.08	9.14	9.06	9.12	9.22
Nondurable Goods[c]	10.86	10.78	10.79	10.79	10.77	10.81	10.86	10.87	10.82	10.92	10.90	10.96	10.99
Food and kindred products	10.41	10.39	10.45	10.42	10.35	10.38	10.44	10.48	10.19	10.31	10.39	10.50	10.60
Meat products	9.13	9.30	9.19	9.15	8.89	8.92	8.98	9.00	9.04	9.25	9.24	9.32	9.34
Dairy products	10.85	10.82	10.87	10.82	10.84	10.73	10.64	10.90	10.77	10.98	10.86	10.92	11.03
Preserved fruits and vegetables	10.34	10.57	10.44	10.31	10.45	10.56	10.47	10.44	9.55	9.80	10.38	10.80	10.99
Bakery products	11.65	11.77	11.75	11.65	11.84	11.67	11.66	11.57	11.58	11.55	11.47	11.69	11.68
Beverages	10.22	9.82	9.84	9.96	9.96	10.27	10.35	10.33	10.48	10.54	10.25	10.30	10.51
Apparel and other textile products	7.42	7.40	7.29	7.22	7.25	7.31	7.44	7.44	7.48	7.56	7.45	7.49	7.65

See footnotes at end of table.

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a] (continued)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	$11.16	$11.18	$11.09	$11.16	$11.07	$11.22	$11.19	$11.13	$11.21	$11.28	$11.16	$11.12	$11.15
Misc. converted paper products	10.25	10.50	10.05	10.17	10.00	10.29	10.39	10.28	10.53	10.51	10.06	10.12	10.12
Paperboard containers and boxes	10.08	10.05	10.19	10.02	10.09	10.29	10.09	10.07	10.07	10.07	10.07	9.90	10.03
Printing and publishing	11.00	10.83	10.98	10.85	10.81	10.88	10.94	10.93	11.05	11.19	11.11	11.15	11.21
Newspapers	10.51	10.19	10.34	10.23	10.31	10.50	10.54	10.41	10.44	10.89	10.69	10.93	10.65
Commercial printing	10.55	10.40	10.68	10.48	10.26	10.35	10.43	10.55	10.70	10.71	10.61	10.62	10.83
Chemicals and allied products	12.73	12.50	12.67	12.67	12.65	12.69	12.67	12.66	12.68	12.85	12.85	12.94	12.89
Industrial inorganic chemicals	13.64	13.39	13.51	13.40	13.58	13.69	13.67	13.37	13.75	13.84	13.82	13.83	13.73
Rubber and misc. plastics products	10.36	10.34	10.28	10.29	10.32	10.29	10.39	10.42	10.39	10.34	10.40	10.42	10.45
Tires and inner tubes	14.11	13.88	14.02	14.06	13.95	13.66	14.11	14.31	14.23	14.35	14.33	14.18	14.19
Miscellaneous plastics products	10.05	10.04	9.93	9.94	10.03	10.07	10.14	10.11	10.06	9.96	10.07	10.08	10.14
MINING	12.45	12.51	12.55	12.54	12.43	12.27	12.29	12.28	12.56	12.53	12.38	12.52	12.49
Bituminous coal and lignite mining	15.38	15.48	15.30	15.38	15.34	15.29	15.34	15.26	15.51	15.48	15.23	15.43	15.46
CONSTRUCTION	14.63	14.62	14.57	14.62	14.44	14.45	14.48	14.56	14.66	14.59	14.70	14.88	14.93
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.53	13.25	13.25	13.30	13.42	13.39	13.52	13.65	13.68	13.75	13.67	13.73	13.76
Communication	13.37	13.13	13.13	13.16	13.34	13.16	13.38	13.48	13.58	13.62	13.50	13.50	13.50
Electric, gas, and sanitary services	13.73	13.41	13.40	13.47	13.52	13.68	13.71	13.87	13.81	13.92	13.90	14.03	14.06
WHOLESALE TRADE	9.59	9.42	9.44	9.48	9.52	9.56	9.57	9.57	9.56	9.69	9.76	9.76	9.75
Wholesale trade-durable goods	9.47	9.29	9.31	9.38	9.40	9.45	9.50	9.50	9.48	9.57	9.61	9.57	9.55
Wholesale trade-nondurable goods	9.80	9.64	9.68	9.66	9.72	9.74	9.69	9.67	9.70	9.87	10.02	10.08	10.09
RETAIL TRADE[d]	5.65	5.57	5.64	5.66	5.63	5.62	5.62	5.60	5.61	5.70	5.71	5.69	5.76
General merchandise stores	6.15	5.91	6.07	6.12	6.12	6.17	6.20	6.20	6.18	6.30	6.22	6.11	6.16
Department stores	6.31	6.10	6.26	6.29	6.28	6.34	6.36	6.35	6.33	6.44	6.37	6.24	6.31
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	9.98	9.77	9.79	9.81	9.88	9.94	9.94	10.01	10.03	10.10	10.15	10.16	10.15

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data related to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during the pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-0 (1987)

1.

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.6	42.7	42.4	42.5	42.1	42.5	42.6	41.9	42.3	42.6	42.9	43.2	43.3
Durable Goods[b]	42.9	43.1	42.8	42.9	42.5	42.8	42.9	42.2	42.5	42.7	43.2	43.5	43.6
Lumber and wood products	41.0	40.1	40.2	42.0	41.5	41.9	41.6	41.0	41.0	40.2	40.9	41.0	41.1
Furniture and fixtures	40.9	40.7	40.6	40.7	39.8	40.4	40.8	40.5	41.6	40.8	41.5	40.9	41.9
Stone, clay, and glass products..........	42.0	40.9	41.3	41.8	41.8	42.6	42.3	41.8	41.6	42.7	42.3	42.8	42.3
Glass and glassware, pressed or blown.	40.1	40.4	40.5	40.2	40.1	39.7	39.8	39.8	40.2	40.7	39.5	40.4	39.7
Primary metal industries	44.5	44.2	43.9	43.8	44.1	44.2	44.5	44.5	44.7	45.7	44.2	44.8	44.8
Blast furnace and basic steel products	45.0	44.6	43.4	43.8	44.6	44.8	45.3	46.1	45.1	46.7	44.3	45.6	46.1
Iron and steel foundries	44.7	45.6	45.4	44.5	45.2	44.4	44.7	43.3	45.2	44.7	44.4	44.9	44.0
Nonferrous rolling and drawing	42.5	41.9	42.6	42.7	41.8	42.1	42.0	41.9	42.5	44.7	42.7	42.8	41.6
Fabricated metal products	42.6	43.1	42.7	42.8	42.0	42.3	42.9	41.4	42.0	41.8	42.7	43.2	43.8
Cutlery, hand tools, and hardware	40.3	39.9	40.2	39.8	40.0	40.8	40.2	40.0	39.9	39.1	41.4	41.1	41.3
Fabricated structural metal products..	42.8	42.0	42.0	42.6	41.5	42.6	43.4	41.7	44.4	42.7	43.1	43.2	44.2
Metal forgings and stampings	43.7	45.9	44.8	44.7	43.6	43.3	44.1	41.4	42.2	42.4	43.3	43.8	44.5
Machinery, except electrical	42.9	42.5	42.5	42.8	42.3	42.6	42.9	42.7	42.3	42.3	43.7	44.1	44.2
Construction and related machinery ...	41.2	41.0	40.6	41.2	41.3	41.6	41.7	40.6	39.9	40.8	41.0	42.0	42.6
Metalworking machinery	43.0	42.2	41.9	41.6	41.8	42.6	43.3	42.6	42.9	42.9	43.9	44.6	45.4
Special industry machinery	42.6	41.8	41.5	42.3	42.4	43.2	42.8	41.7	42.5	41.6	43.9	43.7	44.3
General industrial machinery	42.7	42.4	42.6	43.5	41.5	42.2	43.1	42.0	41.5	42.7	43.3	44.2	43.7
Office and computing machines	43.1	40.2	42.0	42.6	43.8	43.5	41.6	42.3	44.7	43.7	44.1	43.2	45.3
Refrigeratiion and service machinery..	42.5	43.1	43.9	42.7	41.7	42.3	43.0	43.5	41.2	41.6	42.6	42.6	41.7
Electric and electronic equipment	41.6	42.4	41.4	41.7	41.4	41.5	41.2	40.8	41.3	40.4	41.8	42.5	42.6
Electric and electronic equipment	42.2	42.1	40.9	41.5	41.0	42.0	42.3	41.5	43.5	41.7	43.2	43.7	43.1
Household appliances	40.7	43.0	41.8	41.2	40.4	40.9	39.3	41.0	40.5	38.5	40.2	40.8	40.3
Electric lighting and wiring equipment	41.4	42.4	41.7	42.0	42.2	41.2	41.5	39.1	39.9	39.4	41.9	42.6	43.2
Communication equipment	41.4	40.3	39.5	40.6	42.8	43.4	41.8	41.6	40.4	40.8	42.0	41.5	41.8
Transportation equipment	44.1	44.9	44.8	44.6	44.0	44.0	43.9	42.6	43.4	43.9	44.6	44.3	44.2
Motor vehicles and equipment	44.1	45.3	44.7	44.7	44.0	44.1	43.9	42.1	43.3	43.8	44.8	44.5	44.1
Aircraft and parts	44.5	44.2	45.6	44.6	43.4	44.1	44.2	44.0	44.0	44.1	44.6	45.0	46.0
Instruments and related products	40.5	41.0	40.7	40.7	40.0	40.1	39.8	39.5	40.9	41.3	40.6	40.5	40.8
Measuring and controlling devices	38.8	39.5	38.5	39.5	39.0	38.7	37.9	38.5	39.1	38.8	38.6	38.7	38.6
Nondurable Goods[c]	41.9	41.7	41.4	41.6	41.2	41.7	41.8	41.4	41.9	42.3	42.3	42.6	42.7
Food and kindred products	42.3	42.2	41.7	41.9	41.6	42.4	42.7	41.5	42.7	44.0	41.6	42.3	43.0
Meat products	42.0	41.3	41.7	43.4	42.0	43.1	43.2	40.0	41.9	42.5	40.7	42.6	41.5
Dairy products	43.3	42.4	42.8	42.4	43.7	42.7	43.2	44.0	43.6	45.2	42.8	42.5	43.6
Preserved fruits and vegetables	41.9	43.3	42.3	39.2	39.1	40.5	40.8	40.0	43.6	46.4	39.9	41.9	43.7
Bakery products	39.8	38.9	38.9	39.4	39.4	40.0	40.8	39.7	39.9	39.4	40.2	40.4	40.2
Beverages	41.5	40.0	39.3	40.5	41.8	43.2	43.1	42.0	43.0	43.3	40.6	40.1	41.1
Apparel and other textile products	38.4	37.0	37.9	38.5	37.5	37.7	37.6	37.7	38.9	38.5	39.6	40.0	40.2

See footnotes at end of table.

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a] (continued)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	44.7	45.0	44.4	44.8	44.7	45.3	45.4	44.3	44.6	45.3	44.7	44.3	44.0
Misc. converted paper products	44.1	46.2	44.8	44.8	43.6	44.0	44.1	43.1	44.5	43.8	42.9	43.6	43.5
Paperboard containers and boxes	43.4	42.6	42.8	42.8	42.9	44.7	44.4	43.0	43.2	43.7	44.2	43.3	42.7
Printing and publishing	39.0	38.5	38.3	38.3	38.3	38.5	38.6	38.5	39.1	39.7	39.8	40.0	40.2
Newspapers	35.0	33.7	34.6	35.0	34.9	35.7	35.0	34.1	34.4	36.8	35.4	35.7	34.2
Commercial printing	40.1	39.3	39.1	39.0	39.4	39.1	39.2	39.8	40.5	41.0	41.3	41.6	41.7
Chemicals and allied products	42.2	41.9	41.6	41.8	41.9	41.9	41.8	41.7	41.9	42.2	42.4	43.5	43.9
Industrial inorganic chemicals	43.2	41.1	41.6	42.1	43.0	43.0	42.4	42.3	43.5	44.0	44.7	45.4	45.5
Rubber and misc. plastics products	42.6	42.9	42.2	42.6	41.8	42.3	42.5	41.9	42.7	42.3	43.6	43.6	43.2
Tires and inner tubes	45.8	46.6	45.5	45.3	46.2	43.7	45.4	45.9	45.9	46.3	46.1	46.4	45.9
Miscellaneous plastics products	42.2	42.7	41.9	42.4	41.3	42.1	42.1	41.6	42.0	41.5	43.2	43.3	42.7
MINING	43.1	43.7	43.5	43.0	42.4	42.8	42.3	43.2	43.4	43.2	43.5	43.4	42.9
Bituminous coal and lignite mining	41.9	42.0	42.8	42.1	41.3	40.4	40.6	41.3	42.7	42.2	42.0	42.5	42.6
CONSTRUCTION	38.6	38.4	37.7	38.4	37.3	38.9	38.7	39.1	39.4	36.9	39.9	39.6	38.5
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.8	40.4	40.0	40.1	41.2	40.6	41.1	41.5	41.0	41.2	40.8	40.7	40.9
Communication	40.4	40.0	39.5	39.6	41.2	40.0	40.9	41.5	40.9	41.0	40.2	40.1	40.3
Electric, gas, and sanitary services	41.3	40.9	40.7	40.8	41.1	41.5	41.3	41.6	41.1	41.4	41.5	41.5	41.7
WHOLESALE TRADE	39.3	39.1	38.7	38.9	38.8	39.3	39.2	39.6	39.5	39.5	39.5	39.6	39.5
Wholesale trade-durable goods	39.3	39.3	39.0	39.0	38.9	39.2	39.1	39.4	39.4	39.2	39.4	39.6	39.7
Wholesale trade-nondurable goods	39.3	38.7	38.3	38.7	38.6	39.5	39.4	40.0	39.6	39.8	39.7	39.6	39.3
RETAIL TRADE	28.6	28.0	27.8	28.0	28.3	28.5	28.7	29.2	29.3	28.8	28.7	28.3	29.0
General merchandise stores	29.2	28.7	28.2	28.9	29.5	29.4	29.5	30.0	30.0	30.0	28.6	28.0	29.7
Department stores	29.3	28.6	28.1	28.9	29.6	29.5	29.6	30.2	30.2	30.3	28.7	28.0	29.7
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	33.0	33.2	33.1	33.2	33.0	32.9	33.2	33.3	33.2	33.2	32.7	32.7	32.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobaccco manufactures; textile mill products petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [†] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-0 (1987)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$499.70	$502.58	$499.05	$498.53	$492.99	$497.68	$498.42	$485.20	$492.37	$500.12	$504.50	$511.49	$512.67
Durable Goods[b]	519.52	524.96	520.88	519.95	514.25	517.45	517.37	501.76	510.00	516.67	524.02	531.57	532.36
Lumber and wood products	299.71	286.72	292.25	306.18	303.78	306.29	305.34	298.48	300.94	293.46	301.84	302.17	300.03
Furniture and fixtures	353.38	349.61	342.26	344.73	338.30	347.44	349.66	349.92	363.58	353.33	362.30	359.51	373.75
Stone, clay, and glass products	449.82	441.31	440.67	449.35	447.68	457.52	453.46	446.42	440.96	460.31	451.76	457.53	451.76
Glass and glassware, pressed or blown	461.95	466.22	460.08	453.86	455.94	453.37	455.31	464.47	460.69	477.82	464.13	469.45	460.12
Primary metal industries	602.53	593.61	590.46	587.80	595.25	594.49	599.86	597.64	603.90	630.20	601.12	614.66	611.52
Blast furnace and basic steel products	626.85	615.03	598.92	602.25	617.26	619.58	627.41	638.02	628.24	667.81	621.09	641.59	648.17
Iron and steel foundries	622.67	635.21	636.96	620.78	639.13	617.16	623.12	586.28	623.76	616.86	620.71	634.89	614.68
Nonferrous rolling and drawing	606.90	582.83	598.10	599.94	584.36	591.51	594.30	601.27	610.30	660.22	614.45	628.30	606.11
Fabricated metal products	500.12	515.91	510.27	506.75	491.82	495.33	501.50	473.20	484.26	484.88	503.43	511.06	514.65
Cutlery, hand tools, and hardware	475.14	472.02	476.77	473.22	475.60	476.95	466.72	462.00	460.85	456.30	491.83	496.90	494.36
Fabricated structural metal products	456.68	441.42	447.72	455.39	436.17	459.23	461.78	428.68	474.64	455.18	465.91	467.86	480.90
Metal forgings and stampings	616.17	673.35	652.74	636.98	611.71	604.47	619.16	569.66	578.98	585.97	612.70	620.65	618.55
Machinery, except electrical	502.36	498.53	499.80	506.32	495.33	497.14	505.36	494.89	489.41	489.41	510.85	521.70	520.68
Construction and related machinery	418.59	414.10	413.71	420.24	418.37	427.23	428.26	409.65	397.40	410.04	417.79	428.40	434.52
Metalworking machinery	479.88	468.00	465.09	460.51	463.56	473.71	480.20	470.30	475.76	477.48	493.88	504.87	519.38
Special industry machinery	481.38	460.22	458.58	476.72	478.27	483.84	484.92	469.13	480.25	475.90	503.09	499.49	513.88
General industrial machinery	521.37	507.95	515.46	543.75	499.66	514.00	532.29	506.52	502.98	525.64	528.26	546.75	535.76
Office and computing machines	420.66	383.51	404.46	411.52	420.48	421.08	403.94	410.31	442.53	428.26	434.39	426.82	456.62
Refrigeratiion and service machinery	571.20	611.59	619.43	578.59	556.28	558.78	576.20	573.33	537.25	540.38	561.89	582.34	557.53
Electric and electronic equipment	463.01	473.61	457.47	463.29	461.61	463.14	457.32	449.21	458.43	452.08	466.07	475.58	476.27
Electric and electronic equipment	464.62	453.84	443.36	447.37	451.41	466.62	471.65	457.75	482.85	464.12	477.79	484.63	472.81
Household appliances	477.82	506.11	483.21	482.04	470.66	478.53	457.85	474.37	474.66	453.53	475.97	486.74	485.62
Electric lighting and wiring equipment	471.55	501.17	479.55	489.30	491.63	470.50	471.44	435.97	442.49	443.25	472.63	478.82	484.70
Communication equipment	491.83	459.82	455.04	471.77	510.18	531.22	509.96	497.95	483.18	492.46	512.40	488.87	488.22
Transportation equipment	638.13	647.91	646.46	640.46	630.08	634.04	628.65	604.07	628.00	634.36	652.50	653.43	656.37
Motor vehicles and equipment	657.53	677.24	666.03	662.90	650.76	654.89	648.40	616.77	643.44	648.68	673.79	674.18	672.53
Aircraft and parts	600.31	586.09	612.41	591.84	570.71	589.62	588.30	583.88	606.76	605.49	614.59	621.45	639.86
Instruments and related products	369.77	375.15	369.15	370.78	365.20	365.31	363.77	358.27	371.78	379.55	369.46	369.36	376.18
Measuring and controlling devices	359.68	374.46	360.75	373.28	369.33	360.30	351.71	355.74	355.03	354.63	349.72	352.94	355.89
Nondurable Goods[c]	455.03	449.53	446.71	448.86	443.72	450.78	453.95	450.02	453.36	461.92	461.07	466.90	469.27
Food and kindred products	440.34	438.46	435.77	436.60	430.56	440.11	445.79	434.92	435.11	453.64	432.22	444.15	455.80
Meat products	383.46	384.09	383.22	397.11	373.38	384.45	387.94	360.00	378.78	393.13	376.07	397.03	387.61
Dairy products	469.81	458.77	465.24	458.77	473.71	458.17	459.65	479.60	469.57	496.30	464.81	464.10	480.91
Preserved fruits and vegetables	433.25	457.68	441.61	404.15	408.60	427.68	427.18	417.60	416.38	454.72	414.16	452.52	480.26
Bakery products	463.67	457.85	457.08	459.01	466.50	466.80	475.73	459.33	462.04	455.07	461.09	472.28	469.54
Beverages	424.13	392.80	386.71	403.38	416.33	443.66	446.09	433.86	450.64	456.38	416.15	413.03	431.96
Apparel and other textile products	284.93	273.80	276.29	277.97	271.88	275.59	279.74	280.49	290.97	291.06	295.02	299.60	307.53

See footnotes at end of table.

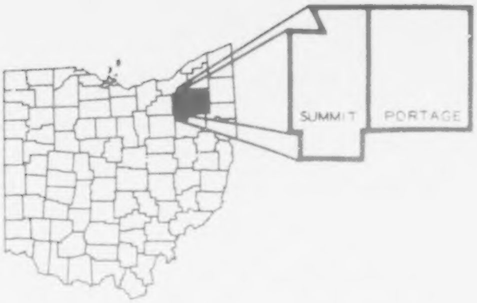
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a] (continued)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	$498.85	$503.10	$492.40	$499.97	$494.83	$508.27	$508.03	$493.06	$499.97	$510.98	$498.85	$492.62	$490.60
Misc. converted paper products	452.03	485.10	450.24	455.62	436.00	452.76	458.20	443.07	468.59	460.34	431.57	441.23	440.22
Paperboard containers and boxes	437.47	428.13	436.13	428.86	432.86	459.96	448.00	433.01	435.02	440.06	445.09	428.67	428.28
Printing and publishing	429.00	416.96	420.53	415.56	414.02	418.88	422.28	420.81	432.06	444.24	442.18	446.00	450.64
Newspapers	367.85	343.40	357.76	358.05	359.82	374.85	368.90	354.98	359.14	400.75	378.43	390.20	364.23
Commercial printing	423.06	408.72	417.59	408.72	404.24	404.69	408.86	419.89	433.35	439.11	438.19	441.79	451.61
Chemicals and allied products	537.21	523.75	527.07	529.61	530.04	531.71	529.61	527.92	531.29	542.27	544.84	562.89	565.87
Industrial inorganic chemicals	589.25	550.33	562.02	564.14	583.94	588.67	579.61	565.55	598.13	608.96	617.75	627.88	624.72
Rubber and misc. plastics products	441.34	443.59	433.82	438.35	431.38	435.27	441.58	436.60	443.65	437.38	453.44	454.31	451.44
Tires and inner tubes	646.24	646.81	637.91	636.92	644.49	596.94	640.59	656.83	653.16	664.41	660.61	657.95	651.32
Miscellaneous plastics products	424.11	428.71	416.07	421.46	414.24	423.95	426.89	420.58	422.52	413.34	435.02	436.46	432.98
MINING	536.60	546.69	545.93	539.22	527.03	525.16	519.87	530.50	545.10	541.30	538.53	543.37	535.82
Bituminous coal and lignite mining	644.42	650.16	654.84	647.50	633.54	617.72	622.80	630.24	662.28	653.26	639.66	655.78	658.60
CONSTRUCTION	564.72	561.41	549.29	561.41	538.61	562.11	560.38	569.30	577.60	538.37	586.53	589.25	574.81
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	552.02	535.30	530.00	533.33	552.90	543.63	555.67	566.48	560.88	566.50	557.74	558.81	562.78
Communication	540.15	525.20	518.64	521.14	549.61	526.40	547.24	559.42	555.42	558.42	542.70	541.35	544.05
Electric, gas, and sanitary services	567.05	548.47	545.38	549.58	555.67	567.72	566.22	576.99	567.59	576.29	576.85	582.25	586.30
WHOLESALE TRADE	376.89	368.32	365.33	368.77	369.38	375.71	375.14	378.97	377.62	382.76	385.52	386.50	385.13
Wholesale trade-durable goods	372.17	365.10	363.09	365.82	365.66	370.44	371.45	374.30	373.51	375.14	378.63	378.97	379.14
Wholesale trade-nondurable goods	385.14	373.07	370.74	373.84	375.19	384.73	381.79	386.80	384.12	392.83	397.79	399.17	396.54
RETAIL TRADE[d]	161.59	155.96	156.79	158.48	159.33	160.17	161.29	163.52	164.37	164.16	163.88	161.03	167.04
General merchandise stores	179.58	169.62	171.17	176.87	180.54	181.40	182.90	186.00	185.40	189.00	177.89	171.08	182.95
Department stores	184.88	174.46	175.91	181.78	185.89	187.03	188.26	191.77	191.17	195.13	182.82	174.72	187.41
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	258.85	257.28	254.65	256.09	258.17	260.96	258.56	260.42	261.64	257.46	260.75	258.76	261.35
Credit agencies other than banks	251.36	247.27	245.39	248.67	248.76	249.18	249.79	254.53	253.08	252.70	253.83	255.02	257.91
Insurance carriers	347.60	343.67	345.59	340.87	341.85	344.83	346.00	345.41	347.71	348.69	353.27	354.50	358.09
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	329.34	324.36	324.05	325.69	326.04	327.03	330.01	333.33	333.00	335.32	331.91	332.23	333.94

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Incudes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufacturers; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-0 (1987)

AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

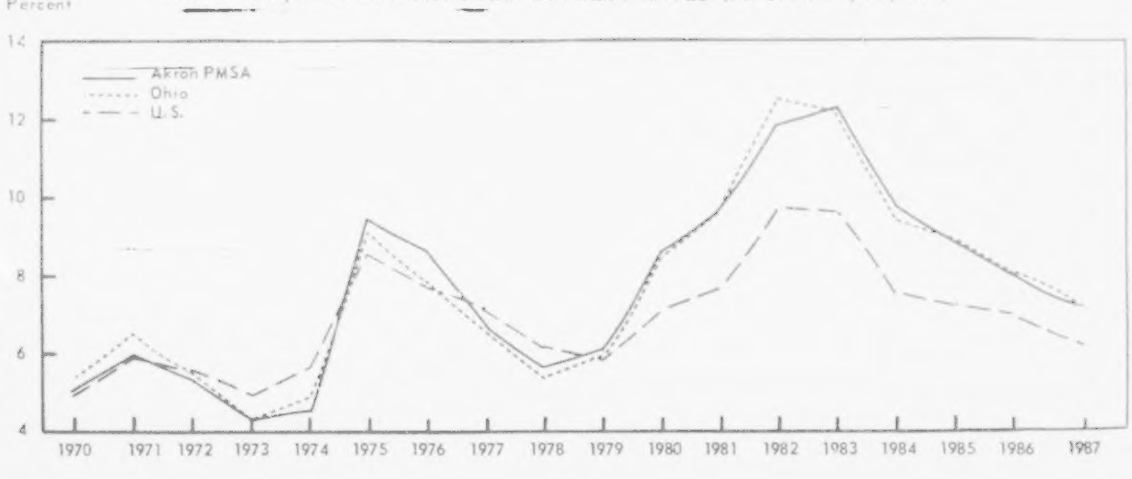


The estimated annual average civilian labor force in the Akron metropolitan area, based on place of residence, declined 500 from 1986, to 319,900 in 1987. Total employment advanced 2,400 over the year, to 297,200, while unemployment decreased 2,800. The unemployment rate dropped from 8.0 percent in 1986, to 7.1 percent in 1987. (See table, page 39, top.)

Nonagricultural wage and salary employment increased 4,100 from the 1986 level, to 264,800 in 1987. An expanded workforce in nonmanufacturing industries created 4,800 jobs. Primary growth sectors were services, particularly health and business services, and retail trade. Manufacturing employment declined 700 over the year. Significant losses were recorded in fabricated metal products and rubber and miscellaneous plastics products, especially tires and inner tubes.

In the Akron area, total nonfarm employment advanced 20,100 since the 1979-1983 recessionary period, although it remained 6,100 below the 1979 level. Gains in nonmanufacturing industries contributed most, with growth in retail trade (+6,100) and services (+5,300) accounting for 57.7 percent of the recovery. Manufacturing employment improved slightly since 1983 due to growth in durable-goods industries. However, nondurable-goods industries, especially tires and inner tubes, continued their downward trend. (See table, page 39, bottom.)

AKRON PMSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



AKRON PMSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]				Nonagricultural Wage And Salary Employment	Manufacturing	Nonmfg.
			PMSA	Ohio	U.S.				
282.2	267.3	14.8	5.3	5.5	5.6	1972	248.1	91.3	156.8
287.1	274.9	12.2	4.3	4.3	4.9	1973	255.2	94.0	161.2
290.8	277.7	13.0	4.5	4.8	5.6	1974	259.0	94.2	164.8
292.0	264.3	27.7	9.5	9.1	8.5	1975	248.4	84.5	163.9
291.3	266.3	25.0	8.6	7.8	7.7	1976	247.3	80.3	167.0
294.2	274.7	19.5	6.6	6.5	7.1	1977	259.3	85.6	173.7
298.9	282.2	16.7	5.6	5.4	6.1	1978	266.6	85.9	180.7
303.8	285.4	18.4	6.1	5.9	5.8	1979	270.9	85.6	185.3
304.5	278.3	26.2	8.6	8.4	7.1	1980	262.4	79.1	183.3
304.1	274.9	29.1	9.6	9.6	7.6	1981	259.5	75.7	183.8
303.9	268.0	35.9	11.8	12.5	9.7	1982	248.8	68.3	180.5
302.5	265.2	37.3	12.3	12.2	9.6	1983	244.7	65.2	179.5
316.5	285.8	30.6	9.7	9.4	7.5	1984	252.2	67.9	184.4
317.8	289.9	28.0	8.8	8.9	7.2	1985	257.6	68.1	189.5
320.4	294.8	25.6	8.0	8.1	7.0	1986	260.7	67.2	193.5
319.9	297.2	22.8	7.1	7.0	6.2	1987	264.8	66.5	198.3

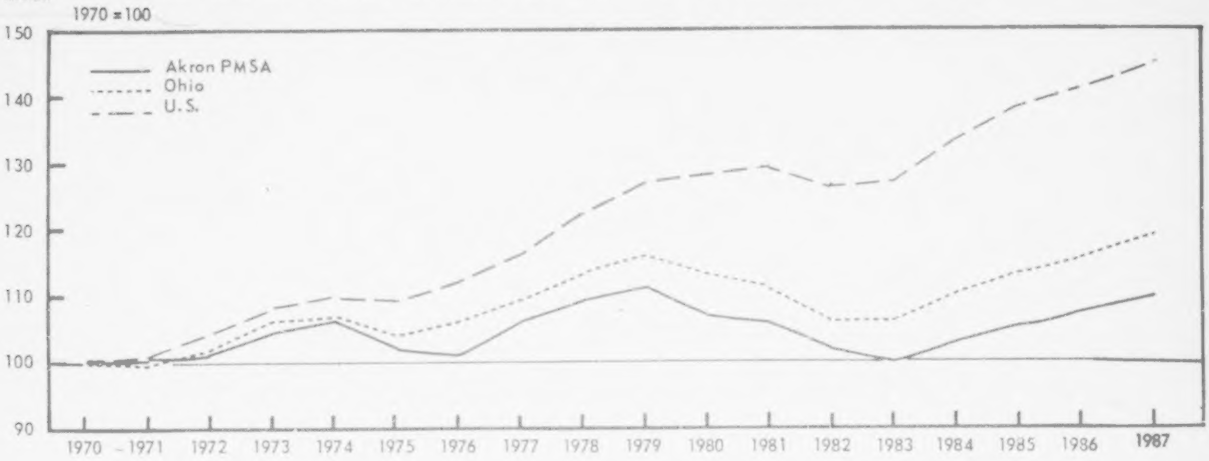
[a] Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.
[b] Unemployment as percentage of Civilian Labor Force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE AKRON PRIMARY METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

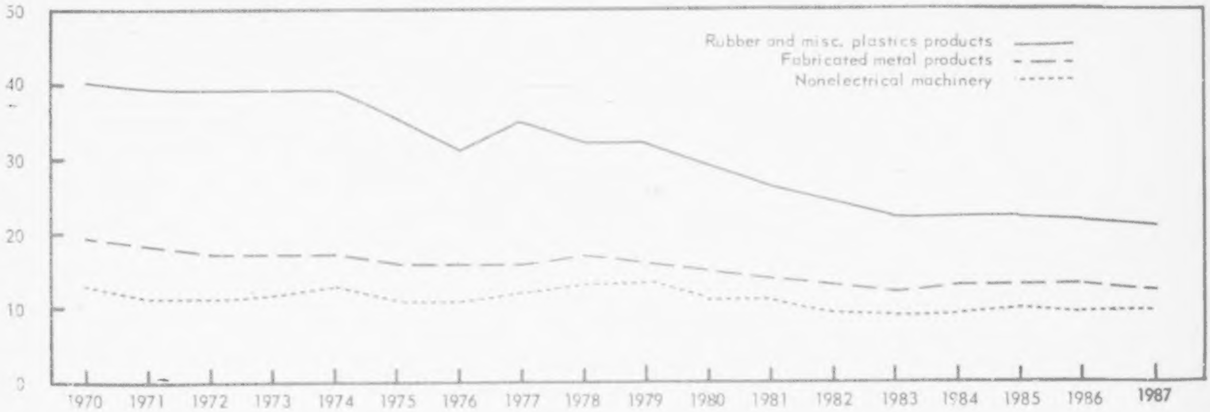
Industry	Employment (in thousands) 1979	1983	1987	Employment Changes 1979-1983	1983-1987	Percent Recovery PMSA	Ohio
TOTAL	270.9	244.7	264.8	-26.2	20.1	76.7	124.0
MANUFACTURING	85.6	65.2	66.5	-20.4	1.3	6.4	9.3
Durable Goods	41.8	32.7	34.2	-9.1	1.5	16.5	5.0
Fabricated Metal Products	16.3	12.3	11.6	-4.0	- .7	-	8.1
Machinery, Except Electrical	13.0	8.5	9.3	-4.5	.3	17.8	.1
Nondurable Goods	43.9	32.5	32.3	-11.4	- .2	-	27.8
Rubber and Misc. Plastics Products	31.6	21.6	20.8	-10.0	- .8	-	42.5
Tires and Inner Tubes	24.7	15.5	13.0	-9.2	-2.5	-	-
CONSTRUCTION	9.2	6.9	8.9	-2.3	2.0	87.0	88.7
TRANSPORTATION AND PUBLIC UTILITIES	15.2	12.5	12.9	-2.7	.4	14.8	25.0
WHOLESALE TRADE	11.9	11.9	13.9	.0	2.0	+	254.4
RETAIL TRADE	46.2	45.3	51.6	- .9	6.3	700.0	435.4
FINANCE, INSURANCE, AND REAL ESTATE	9.4	9.1	10.5	- .3	1.4	466.7	+
SERVICES	49.7	52.3	57.6	2.6	5.3	+	+
GOVERNMENT	43.2	40.7	42.3	-2.5	1.6	64.0	178.8
State Government	12.4	13.1	14.5	.7	1.4	+	+
Local Government	28.7	25.5	25.4	-3.2	- .1	-	73.9

+ No downturn, 1979-1983.
- No upturn, 1983-1987.

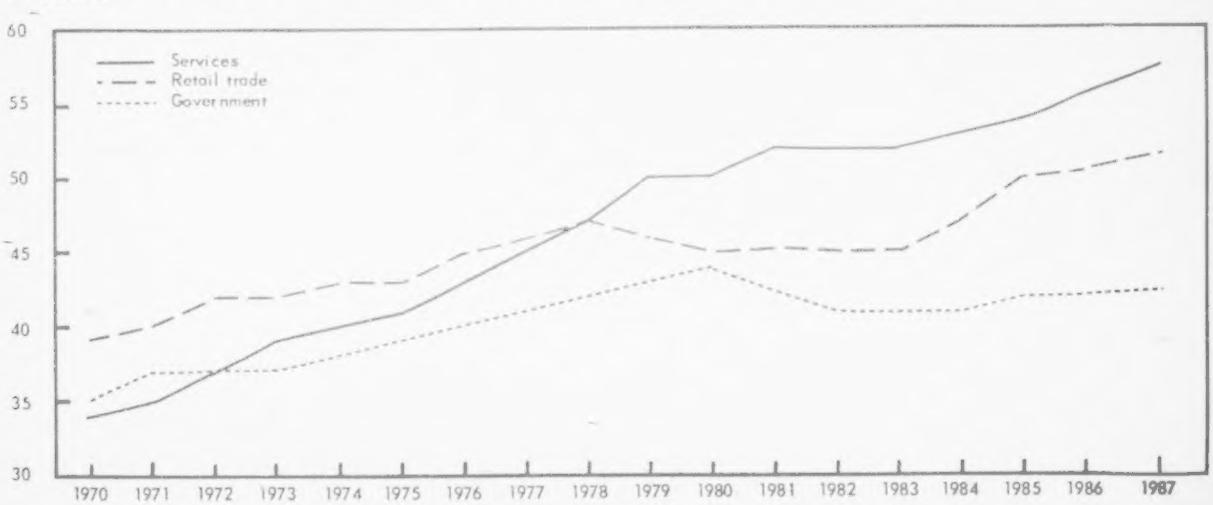
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



AKRON PMSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



AKRON PMSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON PMSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	264.8	258.9	259.6	260.1	262.6	265.9	262.1	262.1	262.3	269.3	271.0	271.6	271.9
MANUFACTURING	66.5	66.7	66.3	66.0	66.1	66.1	66.3	66.0	66.1	67.1	66.7	67.1	67.0
Durable Goods[b]	34.2	34.2	34.1	34.0	34.1	34.1	33.9	33.5	33.6	34.5	34.5	34.9	34.7
Fabricated metal products	11.6	11.8	11.7	11.5	11.5	11.4	11.5	11.4	11.2	11.9	11.9	12.0	11.8
Machinery, except electrical	9.3	9.2	9.2	9.2	9.3	9.3	9.2	9.2	9.3	9.5	9.5	9.5	9.5
Metalworking machinery	3.3	3.1	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.3	3.4
Nondurable Goods[c]	32.3	32.5	32.3	32.0	32.0	32.0	32.3	32.5	32.5	32.6	32.2	32.3	32.3
Food and kindred products	3.0	2.9	2.9	2.9	2.9	2.9	3.0	3.1	3.1	3.1	3.1	3.0	3.1
Chemicals and allied products	3.0	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1
Rubber and misc. plastics products	20.8	21.4	21.1	20.8	20.8	20.6	20.8	20.8	20.7	20.8	20.5	20.7	20.7
Tires and inner tubes	13.0	13.7	13.4	13.2	13.1	12.9	13.0	13.1	13.0	13.0	12.7	12.6	12.6
NONMANUFACTURING[d]	198.3	192.3	193.3	194.0	196.4	199.8	195.8	196.0	196.2	202.3	204.3	204.4	204.9
CONSTRUCTION	8.9	7.5	7.3	7.5	8.2	9.0	9.4	9.7	9.8	9.8	10.0	9.6	8.9
TRANSPORTATION AND PUBLIC UTILITIES	12.9	12.8	12.8	12.8	12.8	12.8	12.9	13.1	13.1	13.1	13.1	13.1	13.1
Communication, electric, gas services	5.3	5.4	5.3	5.3	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3
WHOLESALE TRADE	13.9	13.6	13.6	13.6	13.8	13.9	14.1	14.1	14.0	14.0	14.1	14.0	14.1
RETAIL TRADE	51.6	50.5	50.2	50.4	50.6	51.4	51.5	51.4	51.5	52.1	52.4	53.2	53.8
General merchandise stores	6.4	6.7	6.2	6.1	6.1	6.1	6.1	6.2	6.2	6.4	6.5	6.9	7.2
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.3	10.4	10.4	10.4	10.5	10.5	10.7	10.7	10.6	10.6	10.6	10.6
Banking	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
SERVICES	57.6	54.4	54.9	54.9	56.1	57.6	58.9	59.3	59.7	59.5	59.1	58.6	58.8
Business services	11.1	10.4	10.5	10.4	10.7	10.7	11.1	11.3	11.4	11.5	11.6	11.5	11.7
Amusement and recreation services	3.4	2.4	2.5	2.5	2.9	3.8	4.3	4.6	4.7	4.1	3.3	3.1	3.1
Health services	19.3	18.6	18.8	18.8	18.8	19.0	19.2	19.4	19.5	19.6	19.7	19.7	19.8
GOVERNMENT	42.3	42.6	43.5	43.9	43.9	44.2	38.0	37.3	37.0	42.7	44.5	44.7	45.0
State government	14.5	14.6	15.5	15.7	15.6	15.7	10.7	10.5	10.4	15.2	16.5	16.7	16.8
State government education	11.5	11.7	12.6	12.8	12.7	12.7	7.6	7.4	7.2	12.1	13.6	13.8	13.9
State government, except education	3.0	2.9	2.9	2.9	2.9	3.0	3.1	3.1	3.2	3.0	2.9	2.9	2.9
Local government	25.4	25.5	25.7	25.8	25.9	26.1	24.8	24.4	24.3	25.1	25.7	25.7	25.8
Local government education	14.0	14.2	14.5	14.5	14.5	14.6	12.9	12.2	12.3	13.7	14.5	14.7	15.0
Local government, except education	11.4	11.2	11.2	11.3	11.4	11.5	11.9	12.2	11.9	11.4	11.2	11.1	10.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-1 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON PMSA, 1986[a]

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	260.7	254.2	254.6	256.0	258.9	262.1	259.4	259.1	258.5	265.1	266.5	266.9	267.0
MANUFACTURING	67.2	66.6	66.6	66.7	67.2	67.4	67.7	67.5	67.4	67.4	67.3	67.2	67.0
Durable Goods[b]	34.8	34.7	34.8	34.9	35.0	35.2	35.3	34.8	34.8	34.8	34.7	34.6	34.4
Fabricated metal products	12.6	12.7	12.8	13.0	13.0	13.1	13.0	12.7	12.6	12.4	12.2	12.1	12.0
Machinery, except electrical	9.3	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.2	9.2	9.3	9.3	9.2
Metalworking machinery	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.1	3.1	3.1
Nondurable Goods[c]	32.3	31.9	31.8	31.7	32.1	32.1	32.4	32.7	32.7	32.6	32.6	32.6	32.7
Food and kindred products	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0
Chemicals and allied products	2.8	2.8	2.8	2.8	2.9	2.9	2.8	2.9	2.9	2.9	2.8	2.8	2.8
Rubber and misc. plastics products	21.3	21.1	21.1	21.0	21.2	21.1	21.3	21.4	21.4	21.3	21.4	21.5	21.5
Tires and inner tubes	14.0	14.4	14.2	14.1	14.2	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8
NONMANUFACTURING[d]	193.5	187.6	188.0	189.3	191.7	194.7	191.7	191.6	191.1	197.7	199.2	199.6	200.0
CONSTRUCTION	8.6	7.1	6.9	7.1	8.1	8.7	9.1	9.5	9.6	9.4	9.6	9.2	8.4
TRANSPORTATION AND PUBLIC UTILITIES	12.9	12.7	12.8	12.9	12.7	12.9	12.7	13.0	13.1	13.0	13.0	13.1	13.0
Communication, electric, gas services	5.3	5.3	5.3	5.3	5.3	5.3	5.0	5.3	5.3	5.3	5.2	5.2	5.2
WHOLESALE TRADE	13.5	13.6	13.5	13.4	13.5	13.4	13.4	13.4	13.3	13.3	13.5	13.6	13.7
RETAIL TRADE	50.5	47.8	47.4	48.0	49.3	50.0	50.3	50.7	51.0	51.7	52.4	53.1	53.9
General merchandise stores	6.7	6.8	6.5	6.4	6.4	6.2	6.2	6.5	6.4	6.6	6.8	7.5	7.8
FINANCE, INSURANCE, AND REAL ESTATE	10.2	9.7	9.7	9.7	10.0	10.1	10.2	10.3	10.3	10.3	10.5	10.5	10.5
Banking	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.2
SERVICES	55.6	53.7	53.7	54.3	54.4	55.6	56.7	57.3	56.9	56.7	56.3	55.7	55.8
Business services	10.5	10.4	10.3	10.3	10.2	10.1	10.2	10.6	10.3	10.5	10.9	10.8	11.1
Amusement and recreation services	3.1	2.3	2.3	2.4	2.7	3.6	4.2	4.2	4.2	3.5	2.8	2.6	2.6
Health services	18.0	17.6	17.6	17.7	17.5	17.4	17.6	18.2	18.3	18.5	18.4	18.3	18.4
GOVERNMENT	41.7	42.1	43.0	43.2	43.1	43.5	38.6	36.8	36.3	42.7	43.3	43.8	44.1
State government	14.1	14.3	15.0	15.2	15.1	15.1	10.9	10.6	10.6	15.2	15.4	15.6	15.7
State government education	11.1	11.4	12.2	12.3	12.2	12.2	7.9	7.5	7.5	12.3	12.6	12.7	12.8
State government, except education	2.9	2.9	2.9	2.9	2.9	2.9	3.1	3.1	3.1	2.9	2.9	2.9	2.9
Local government	25.3	25.5	25.7	25.7	25.7	26.0	25.3	23.8	23.3	25.1	25.5	25.8	25.8
Local government education	13.7	14.1	14.4	14.3	14.1	14.2	13.5	11.7	11.7	13.4	14.1	14.3	14.5
Local government, except education	11.6	11.5	11.3	11.4	11.6	11.8	11.8	12.1	11.6	11.7	11.5	11.4	11.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-1 (1986)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.30	$11.36	$11.46	$11.30	$11.25	$11.33	$11.33	$11.15	$11.14	$11.28	$11.29	$11.24	$11.40
Durable Goods[b]	11.62	11.75	11.92	11.62	11.56	11.79	11.73	11.50	11.35	11.42	11.56	11.52	11.73
Fabricated metal products	13.83	14.14	14.47	13.65	13.67	14.16	14.03	13.48	13.24	13.48	13.88	13.65	14.01
Machinery, except electrical	10.23	10.01	10.10	10.38	10.31	10.34	10.38	10.32	10.17	10.16	10.16	10.16	10.27
Metalworking machinery	10.27	10.30	10.21	10.25	10.11	10.21	10.18	10.04	10.05	10.07	10.35	10.68	10.67
Nondurable Goods[c]	10.80	10.82	10.77	10.82	10.77	10.61	10.69	10.64	10.83	11.06	10.87	10.81	10.93
Food and kindred products	10.83	10.80	10.79	10.77	10.92	10.85	10.97	10.77	10.67	10.87	10.74	10.77	10.97
Chemicals and allied products	11.56	11.35	11.48	11.31	11.51	11.30	11.37	11.42	11.49	11.91	11.98	11.81	11.66
Rubber and misc. plastics products	11.00	11.06	11.01	11.09	10.99	10.59	10.85	11.00	11.08	11.27	11.12	10.94	11.00
Tires and inner tubes	15.15	14.55	14.77	14.97	15.15	14.79	15.27	15.33	15.34	15.73	15.57	15.27	15.30
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.70	13.42	13.40	13.38	13.54	13.40	13.69	13.86	13.91	13.98	13.93	13.88	13.94
WHOLESALE TRADE	8.75	8.41	8.42	8.40	8.62	8.66	8.91	8.88	8.91	9.02	9.01	8.84	8.89
RETAIL TRADE[d]	6.20	6.28	6.32	6.25	6.28	6.19	6.11	6.13	6.09	6.22	6.21	6.17	6.23

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-1 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	43.1	43.1	42.5	42.8	43.0	43.0	43.1	42.1	43.3	43.3	43.2	43.1	44.2
Durable Goods[b]	43.4	43.1	43.1	43.4	43.4	44.0	44.0	42.6	43.6	43.1	43.3	43.0	44.2
Fabricated metal products	44.1	45.1	45.4	44.4	43.4	44.8	45.3	42.7	45.2	43.1	42.5	42.9	44.5
Machinery, except electrical	45.1	43.5	43.7	44.7	46.2	46.6	45.7	44.4	44.1	44.1	46.5	44.8	46.4
Metalworking machinery	45.7	45.0	44.8	45.0	45.1	47.0	46.2	45.2	44.8	44.5	45.9	47.0	47.6
Nondurable Goods[c]	42.6	43.1	41.6	42.0	42.4	41.6	41.8	41.3	42.9	43.7	43.0	43.2	44.3
Food and kindred products	43.0	40.7	40.6	40.3	44.1	41.7	42.2	43.7	44.0	46.0	43.8	43.5	45.5
Chemicals and allied products	42.1	41.8	41.0	40.2	41.8	40.8	40.0	42.1	40.7	44.3	42.6	43.8	45.2
Rubber and misc. plastics products	43.6	44.5	42.8	43.7	44.0	42.1	43.3	41.9	44.4	44.3	44.1	44.1	44.2
Tires and inner tubes	47.7	50.3	47.0	46.7	48.9	43.4	48.0	46.2	48.4	48.6	47.4	47.9	49.2
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.0	40.2	40.1	40.2	41.5	41.0	41.9	41.5	41.3	41.5	41.1	40.9	41.1
WHOLESALE TRADE	37.7	37.6	37.8	37.5	38.2	37.5	37.8	37.6	37.6	38.1	37.1	37.8	37.5
RETAIL TRADE	32.0	31.5	31.1	31.5	31.5	31.6	31.9	32.7	33.1	32.7	32.5	32.2	31.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-3-1 (1987)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$487.03	$489.62	$487.05	$483.64	$483.75	$487.19	$488.32	$469.42	$482.36	$488.42	$487.73	$484.44	$503.88
Durable Goods[b]	504.31	506.43	513.75	504.31	501.70	518.76	516.12	489.90	494.86	492.20	500.55	495.36	518.47
Fabricated metal products	609.90	637.71	656.94	606.06	593.28	634.37	635.56	575.60	598.45	580.99	589.90	585.59	623.45
Machinery, except electrical	461.37	435.44	441.37	463.99	476.32	481.84	474.37	458.21	448.50	448.06	472.44	455.17	476.53
Metalworking machinery	469.34	463.50	457.41	461.25	455.96	479.87	470.32	453.81	450.24	448.12	475.07	501.96	507.89
Nondurable Goods[c]	460.08	466.34	448.03	454.44	456.65	441.38	446.84	439.43	464.61	483.32	467.41	466.99	484.20
Food and kindred products	465.69	439.56	438.07	434.03	481.57	452.45	462.93	470.65	469.48	500.02	470.41	468.50	499.14
Chemicals and allied products	486.68	474.43	470.68	454.66	481.12	461.04	454.80	480.78	467.64	527.61	510.35	517.28	527.03
Rubber and misc. plastics products	479.60	492.17	471.23	484.63	483.56	445.84	469.81	460.90	491.95	499.26	490.39	482.45	486.20
Tires and inner tubes	722.66	731.87	694.19	699.10	740.84	641.89	732.96	708.25	742.46	764.48	738.02	731.43	752.76
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services ..	561.70	539.48	537.34	537.88	561.91	549.40	573.61	575.19	574.48	580.17	572.52	567.69	572.93
WHOLESALE TRADE	329.88	316.22	318.28	315.00	329.28	324.75	-336.80	333.89	335.02	343.66	334.27	334.15	333.38
RETAIL TRADE[d]	198.40	197.82	196.55	196.88	197.82	195.60	194.91	200.45	201.58	203.39	201.83	198.67	198.74

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
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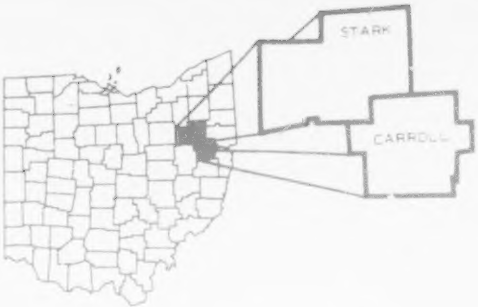
CANTON METROPOLITAN STATISTICAL AREA

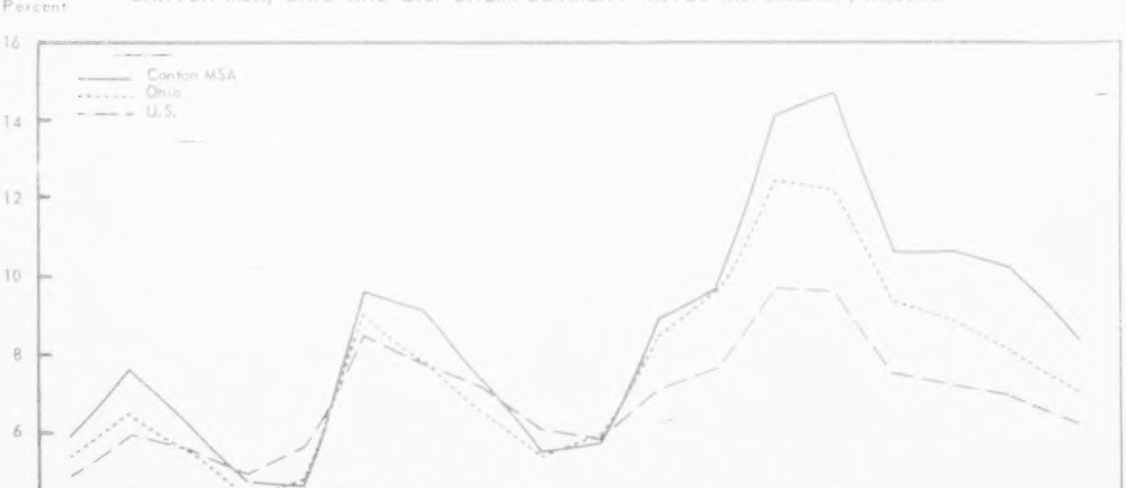


In the Canton metropolitan area, the estimated annual average civilian labor force, based on place of residence, decreased 900 over the year, from 190,500 in 1986, to 189,600 in 1987. Total employment gained 2,800, to 174,000; unemployment declined 3,700 over the year, to 15,700. The unemployment rate dropped 1.9 points, from 10.2 percent in 1986 to 8.3 percent in 1987. (See table, page 47, top.)

Total nonfarm employment increased 2.6 percent, from 151,900 in 1986, to 155,900 in 1987. Although nearly all nonmanufacturing industries recorded gains over the year, services, retail trade, and construction were the major growth sectors. Manufacturing employment declined .5 percent. Reductions in fabricated metal products and food and kindred products overshadowed modest improvements in primary metal industries.

Nonagricultural wage and salary employment in the Canton area continued its post-recession expansion, gaining 12,500 since 1983. Although 71.8 percent of the lost jobs have been recovered, the employment level remains 4,900 below that of 1979. Growth in retail trade, services, and construction contributed most to the recovery. The manufacturing employment level in 1987, at 43,500, equaled that of 1983 due to a slowed recovery in primary metal industries and nondurable-goods industries and continued reductions in fabricated metal products. (See table, page 47, bottom.)

CANTON MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CANTON MSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]				Nonagricultural Wage And Salary Employment	Manufacturing	Nonmfg.
			MSA	Ohio	U.S.				
165.6	155.3	10.3	6.2	5.5	5.6	1972	139.8	57.4	82.4
171.2	163.1	8.1	4.7	4.3	4.9	1973	147.9	61.7	86.2
175.6	167.5	8.1	4.6	4.8	5.6	1974	152.1	62.2	89.9
174.7	158.0	16.7	9.6	9.1	8.5	1975	145.0	55.3	89.7
174.4	158.6	15.8	9.1	7.8	7.7	1976	145.9	54.8	91.2
175.9	163.1	12.9	7.3	6.5	7.1	1977	149.8	56.0	93.8
179.9	170.0	9.9	5.5	5.4	6.1	1978	156.1	57.1	99.0
184.3	173.7	10.6	5.7	5.9	5.8	1979	160.8	59.1	101.7
187.7	170.9	16.8	8.9	8.4	7.1	1980	157.1	55.7	101.5
188.4	170.1	18.2	9.7	9.6	7.6	1981	156.6	54.8	101.9
191.4	164.3	27.0	14.1	12.5	9.7	1982	148.6	47.6	101.1
187.0	159.5	27.5	14.7	12.2	9.6	1983	143.4	43.5	99.9
188.1	168.1	19.9	10.6	9.4	7.5	1984	149.1	46.4	102.7
189.5	169.5	20.0	10.6	8.9	7.2	1985	151.5	46.2	105.3
190.5	171.2	19.4	10.2	8.1	7.0	1986	151.9	43.7	108.3
189.6	174.0	15.7	8.3	7.0	6.2	1987	155.9	43.5	112.4

[a] Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.

[b] Unemployment as percentage of Civilian Labor Force.

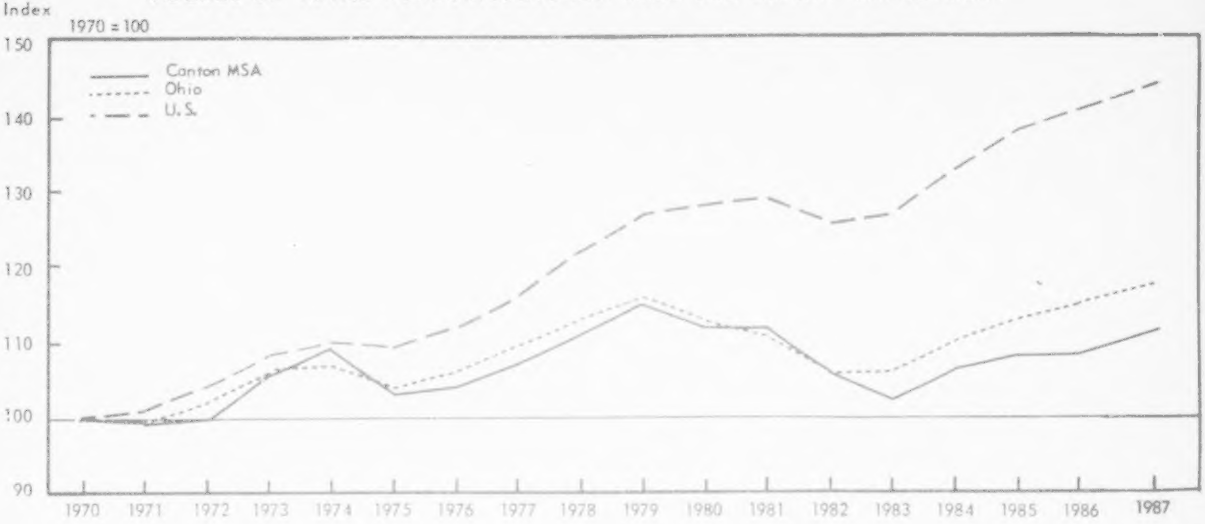
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE CANTON METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	MSA	Ohio
TOTAL	160.8	143.4	155.9	-17.4	12.5	71.8	124.0
MANUFACTURING	59.1	43.5	43.5	-15.6	.0	-	9.3
Durable Goods	46.4	33.0	31.9	-13.4	-1.1	-	5.0
Primary Metal Industries	15.6	10.2	10.5	-5.4	- .3	5.6	-
Fabricated Metal Products	10.2	7.6	6.5	-2.6	-1.1	-	8.1
Nondurable Goods	12.7	10.6	11.5	-2.1	.9	42.9	27.8
Food and Kindred Products	4.4	3.7	3.5	- .7	- .2	-	-
Rubber and Misc. Plastics Products	3.5	2.5	2.9	-1.0	.4	40.0	42.5
CONSTRUCTION	6.4	4.3	6.1	-2.1	1.8	85.7	88.7
TRANSPORTATION AND PUBLIC UTILITIES	7.6	5.9	5.7	-1.7	- .2	-	25.0
WHOLESALE TRADE	7.2	7.2	8.1	.0	.9	+	254.4
RETAIL TRADE	27.1	26.1	31.2	-1.0	5.1	510.0	435.4
FINANCE, INSURANCE, AND REAL ESTATE	5.9	6.4	6.5	.5	.1	+	+
SERVICES	28.1	30.7	35.3	2.6	4.6	+	+
GOVERNMENT	18.3	18.0	18.5	- .3	.5	166.7	178.8
Local Government	15.1	15.2	15.4	.1	.2	+	73.9

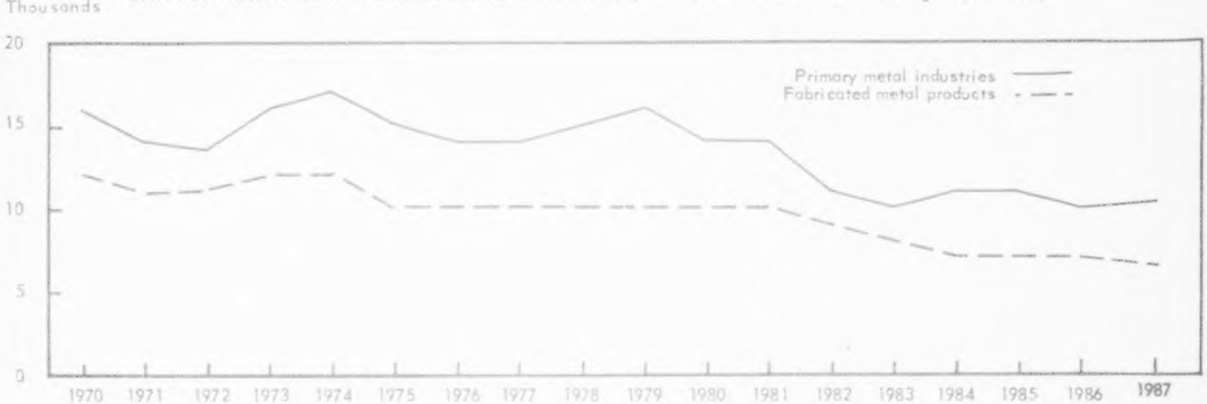
[+] No downturn, 1979-1983.

[-] No upturn, 1983-1987.

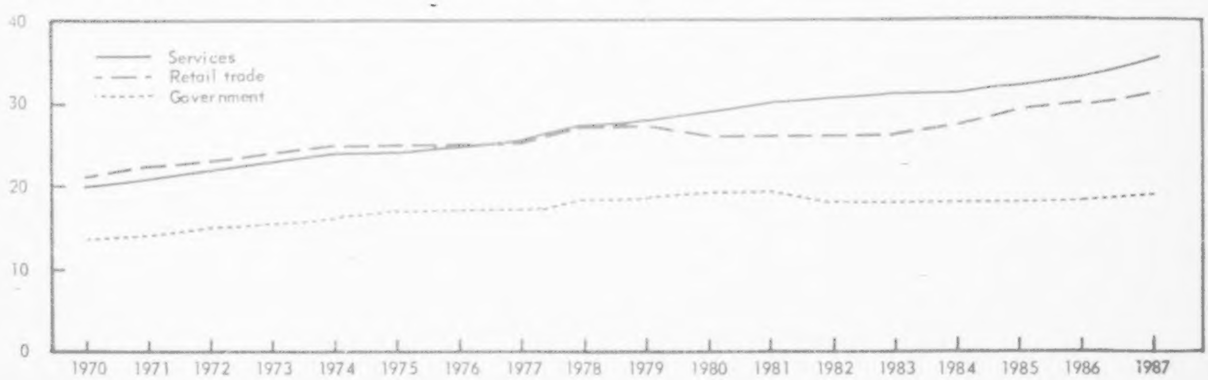
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CANTON MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



CANTON MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON MSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	155.9	151.9	151.8	152.8	154.3	156.3	157.3	155.7	157.1	157..1	158.6	158.7	158.9
MANUFACTURING	43.5	43.1	43.3	43.3	43.3	43.5	43.8	42.9	43.5	43.7	43.7	43.8	43.9
Durable Goods[b]	31.9	31.5	31.8	31.9	31.9	31.9	32.2	31.3	32.0	32.1	32.3	32.2	32.2
Primary metal industries	10.5	10.3	10.5	10.5	10.5	10.5	10.6	10.1	10.4	10.4	10.5	10.6	10.6
Fabricated metal products	6.5	6.6	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5
Metal forgings and stampings	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2
Nondurable Goods[c]	11.5	11.6	11.5	11.4	11.4	11.5	11.6	11.6	11.5	11.6	11.5	11.5	11.7
Food and kindred products	3.5	3.8	3.7	3.6	3.5	3.6	3.5	3.5	3.5	3.5	3.3	3.3	3.4
Rubber and misc. plastics products	2.9	2.8	2.8	2.8	2.9	2.8	2.9	2.9	2.9	3.0	3.0	3.1	3.1
NONMANUFACTURING[d]	112.4	108.8	108.4	109.5	111.0	112.8	113.5	112.8	113.6	114.0	114.9	114.9	115.0
CONSTRUCTION	6.1	4.9	4.5	4.9	5.3	5.9	6.4	6.8	7.0	7.0	7.2	7.0	6.8
TRANSPORTATION AND PUBLIC UTILITIES	5.7	5.5	5.5	5.6	5.7	5.7	5.7	5.8	5.8	5.7	5.8	5.8	5.7
Communication, electric, gas services	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
WHOLESALE TRADE	8.1	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.2	8.2	8.2	8.2	8.2
Wholesale trade-durable goods	4.5	4.4	4.4	4.4	4.4	4.4	4.5	4.6	4.6	4.6	4.6	4.6	4.5
RETAIL TRADE	31.2	30.5	30.1	30.3	30.5	30.9	31.2	31.2	31.6	31.7	31.7	32.1	32.6
General merchandise stores	4.0	4.1	3.8	3.7	3.7	3.8	3.8	3.7	3.8	3.9	4.1	4.4	4.6
Food stores	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.0	5.1	5.1	5.1	5.2	5.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.4	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.5	6.5	6.5	6.5
Banking	1.9	1.9	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
SERVICES	35.3	34.0	34.2	34.6	35.4	35.6	36.0	35.7	35.7	35.7	35.8	35.6	35.4
Health services	14.9	14.5	14.6	14.6	14.9	15.0	15.0	15.1	15.1	15.1	15.2	15.1	15.1
GOVERNMENT	18.5	18.5	18.7	18.8	18.7	19.2	18.7	17.6	17.7	18.2	18.6	18.8	18.9
State government	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local government	15.4	15.3	15.6	15.7	15.5	16.0	15.5	14.5	14.5	15.0	15.5	15.7	15.8
Local government education	9.1	9.3	9.6	9.6	9.5	9.7	9.0	8.1	8.1	8.5	9.0	9.2	9.2
Local government, except education	6.3	6.0	6.0	6.1	6.1	6.4	6.5	6.4	6.4	6.5	6.5	6.5	6.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON MSA, 1986[a]

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	151.9	148.9	149.0	149.0	151.1	152.6	153.3	152.2	152.7	153.5	150.6	155.0	155.5
MANUFACTURING	43.7	44.1	44.4	44.0	44.0	44.2	44.6	44.0	44.2	44.1	39.5	43.3	43.6
Durable Goods[b]	32.0	32.6	33.0	32.8	32.9	33.0	33.1	32.2	32.4	32.3	27.5[e]	31.2	31.5
Primary metal industries	9.9	10.0	10.2	10.3	10.2	10.3	10.1	9.9	10.0	10.1	8.3[e]	9.5	10.0
Fabricated metal products	7.0	6.9	7.0	7.0	7.0	7.1	7.2	7.1	7.0	7.0	6.9	6.8	6.7
Metal forgings and stampings	2.5	2.5	2.6	2.5	2.6	2.6	2.7	2.6	2.5	2.6	2.5	2.4	2.3
Nondurable Goods[c]	11.6	11.5	11.4	11.2	11.1	11.2	11.5	11.8	11.8	11.8	12.0	12.1	12.1
Food and kindred products	3.9	3.8	3.7	3.6	3.5	3.6	3.8	4.1	3.9	4.0	4.2	4.2	4.2
Rubber and misc. plastics products	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.9	2.9	2.8	2.9	2.8	2.8
NONMANUFACTURING[d]	108.3	104.8	104.6	105.0	107.1	108.3	108.7	108.1	108.5	109.4	111.1	111.6	111.9
CONSTRUCTION	5.3	4.3	4.1	4.3	4.8	5.4	5.7	6.0	6.1	6.0	5.9	5.8	5.5
TRANSPORTATION AND PUBLIC UTILITIES	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.6
Communication, electric, gas services	2.7	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
WHOLESALE TRADE	7.9	7.9	7.8	7.9	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	8.0
Wholesale trade-durable goods	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4
RETAIL TRADE	30.2	29.0	28.7	28.8	29.5	30.0	30.2	30.3	30.8	31.0	31.1	31.5	31.9
General merchandise stores	3.8	3.7	3.6	3.5	3.6	3.6	3.6	3.7	3.7	4.0	4.0	4.4	4.6
Food stores	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.3	5.2	5.2
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.3	6.3	6.3	6.4	6.4	6.5	6.5	6.5	6.5	6.4	6.4	6.5
Banking	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
SERVICES	33.5	32.2	32.3	32.4	33.1	33.3	33.6	33.5	33.5	33.3	34.6	34.7	34.8
Health services	14.3	13.8	13.9	13.9	14.1	14.2	14.3	14.3	14.3	14.4	14.6	14.6	14.6
GOVERNMENT	18.1	18.2	18.5	18.5	18.6	18.5	17.8	17.0	16.9	18.0	18.4	18.6	18.6
State government	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local government	15.0	15.1	15.5	15.4	15.4	15.3	14.7	13.9	13.7	14.9	15.3	15.4	15.5
Local government education	9.0	8.9	9.3	9.3	9.3	9.2	8.6	7.9	7.8	8.9	9.4	9.5	9.5
Local government, except education	6.0	6.2	6.1	6.1	6.1	6.1	6.1	6.0	5.9	6.0	5.9	5.9	6.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.34	$11.45	$11.35	$11.36	$11.35	$11.39	$11.36	$11.31	$11.21	$11.30	$11.40	$11.30	$11.29
Durable Goods[b]	11.73	11.87	11.76	11.79	11.82	11.85	11.82	11.76	11.56	11.60	11.71	11.63	11.59
Primary metal industries	13.00	12.78	12.84	12.90	13.09	13.30	13.14	13.34	12.92	13.05	13.10	12.86	12.69
Fabricated metal products	11.15	12.00	11.57	11.54	11.47	11.24	11.22	10.95	11.04	10.85	10.76	10.75	10.44
Metal forgings and stampings	14.73	15.28	14.56	14.93	15.02	14.37	14.57	14.44	14.51	14.60	14.95	14.88	14.58
Nondurable Goods[c]	10.09	10.09	10.02	9.99	9.91	9.96	9.86	9.92	10.09	10.31	10.37	10.22	10.31
Food and kindred products	10.51	10.88	10.56	10.41	10.38	10.37	10.08	10.08	10.36	10.68	10.74	10.72	10.94
Rubber and misc. plastics products	10.35	10.17	10.23	10.17	10.21	10.09	10.14	10.26	10.46	10.68	10.59	10.53	10.63
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.37	13.04	12.99	13.04	13.22	13.22	13.22	13.67	13.52	13.61	13.64	13.64	13.64
WHOLESALE TRADE	9.92	9.86	9.73	9.88	9.81	9.89	9.73	10.18	9.95	9.91	9.98	10.02	10.01
RETAIL TRADE[d]	5.37	5.37	5.38	5.38	5.38	5.35	5.36	5.35	5.30	5.36	5.41	5.38	5.41

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-2 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	41.9	42.2	42.0	42.0	41.5	42.7	42.2	41.6	41.1	41.5	41.8	42.1	42.2
Durable Goods[b]	42.5	42.9	42.8	42.5	41.8	43.2	43.1	42.2	41.6	42.0	42.2	42.5	43.0
Primary metal industries	44.2	45.2	45.4	44.4	43.9	46.5	45.0	43.2	43.4	43.3	43.3	43.4	43.2
Fabricated metal products	41.4	41.9	41.0	41.6	41.2	42.3	42.0	40.8	39.8	40.9	41.3	42.0	42.4
Metal forgings and stampings	41.9	43.4	41.8	42.0	42.0	42.7	43.2	40.1	41.0	41.1	40.9	42.2	42.5
Nondurable Goods[c]	40.2	40.0	39.8	40.5	40.6	40.9	39.6	39.7	39.8	39.9	40.5	40.7	39.9
Food and kindred products	40.7	40.8	41.2	41.6	41.8	43.1	40.5	39.9	40.1	39.4	39.1	40.2	40.9
Rubber and misc. plastics products	41.7	42.1	41.3	41.8	42.0	41.4	41.4	43.1	41.2	43.0	41.1	41.2	40.8
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	41.1	40.5	40.1	40.4	40.9	41.5	41.2	42.1	41.1	41.5	41.0	41.3	41.1
WHOLESALE TRADE............................	37.6	36.8	36.0	37.1	37.2	37.1	37.0	38.1	37.6	38.3	38.8	38.9	38.4
RETAIL TRADE	28.7	28.1	28.0	28.2	28.8	29.1	28.8	29.4	28.8	28.6	28.7	29.0	29.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-3-2 (1987)

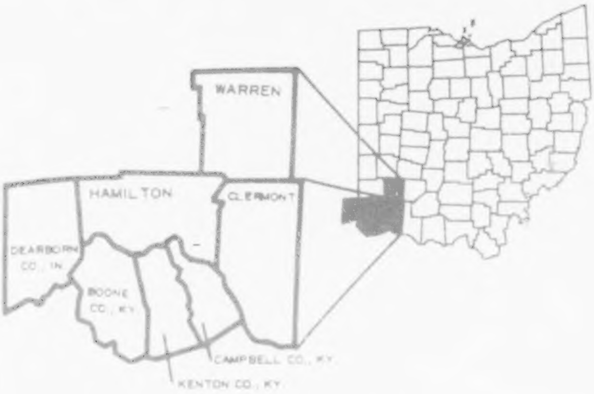
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$475.15	$483.19	$476.70	$477.12	$471.03	$486.35	$479.39	$470.50	$460.73	$468.95	$476.52	$475.73	$476.44
Durable Goods[b]	498.53	509.22	503.33	501.08	494.08	511.92	509.44	496.27	480.90	487.20	494.16	494.28	498.37
Primary metal industries	574.60	577.66	582.94	572.76	574.65	618.45	591.30	576.29	560.73	565.07	567.23	558.12	548.21
Fabricated metal products	461.61	502.80	474.37	480.06	472.56	475.45	471.24	446.76	439.39	443.77	444.39	451.50	442.66
Metal forgings and stampings	617.19	663.15	608.61	627.06	630.84	613.60	629.42	579.04	594.91	600.06	611.46	627.94	619.65
Nondurable Goods[c]	405.62	403.60	398.80	404.60	402.35	407.36	390.46	393.82	401.58	411.37	419.99	415.95	411.37
Food and kindred products	427.76	445.90	435.07	433.06	433.88	446.95	408.24	402.19	415.44	420.79	419.93	430.94	447.45
Rubber and misc. plastics products	431.60	428.16	422.50	425.11	428.82	417.73	419.80	442.21	430.95	459.24	435.25	433.84	433.70
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services ..	549.51	528.12	520.90	526.82	540.70	548.63	544.66	575.51	555.67	564.82	559.24	563.33	560.60
WHOLESALE TRADE	372.99	362.85	350.28	366.55	364.93	366.92	360.01	387.06	374.12	379.55	387.22	389.78	384.38
RETAIL TRADE[d]	154.12	150.90	150.64	151.72	154.94	155.69	154.37	157.29	152.64	153.30	155.27	156.02	157.97

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual 1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43215 3-25-88 RS-790-2-2 (1987)

CINCINNATI
PRIMARY
METROPOLITAN
STATISTICAL
AREA

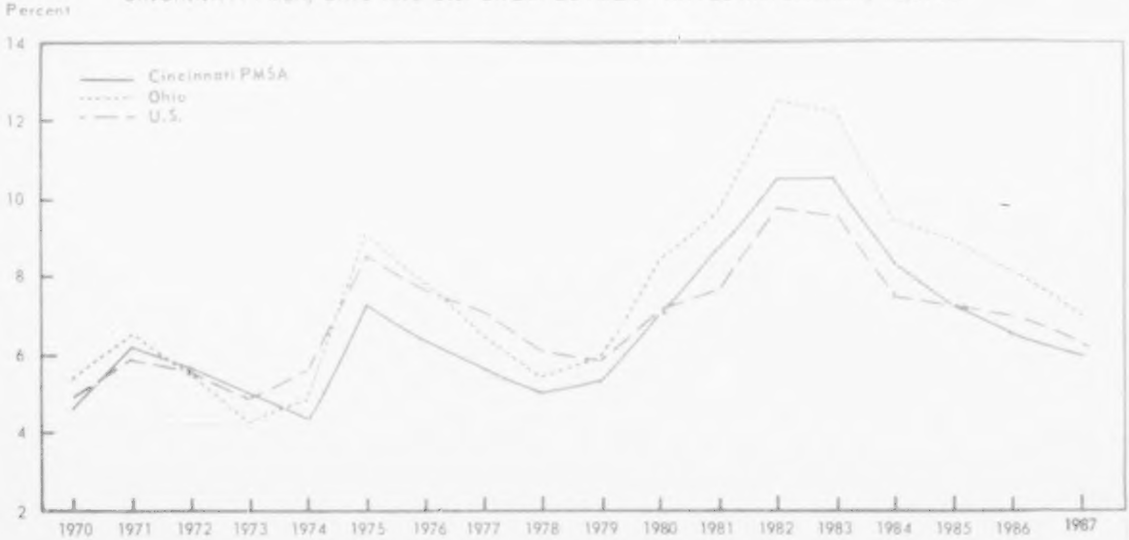


Based on place of residence, the estimated average annual civilian labor force in the Cincinnati metropolitan area advanced 16,900 from 1986, to 744,700 in 1987. Total employment gained 20,000 over the year, while unemployment recorded a decrease of 3,200. The unemployment rate dropped from 6.5 percent in 1986 to 5.9 percent in 1987. (See table, page 55, top.)

Nonagricultural wage and salary employment, at 677,100 in 1987, rose 4.0 percent from the 1986 level. Growth in nonmanufacturing industries totaled 28,600 jobs over the year. Noteworthy improvements were recorded in services, especially business and health services, retail trade, and construction, although all nonmanufacturing sectors increased over the year. Manufacturing lost 2,300 workers during the period. ~~Scattered growth in non~~durable-goods industries was overshadowed by reductions in durable goods, especially motor vehicles and equipment (-2,300).

Total nonfarm employment in the Cincinnati area continued its post-recession expansion at an accelerated rate. During the recovery period, 1983-1987, the workforce increased by 101,500. Nonmanufacturing industries contributed 95.1 percent of the gain. Significant growth was noted in services (+39,100) and retail trade (+21,200). Manufacturing recovered 15.3 percent of jobs lost during the recessionary period. Improvements were registeredin both durable- and nondurable-goods industries, especially transportation equipment, printing and publishing, nonelectrical machinery, and chemicals and allied products. Although employment in transportation equipment was sharply reduced during 1987, the industry has contributed significantly to the post-recession recovery. (See table, page 55, bottom.)

CINCINNATI PMSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CINCINNATI PMSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]				Nonagricultural Wage And Salary Employment	Manufacturing	Nonmfg.
			PMSA	Ohio	U.S.				
561.0	529.0	32.0	5.7	5.5	5.6	1972	512.0	155.9	356.1
572.0	543.0	29.0	5.1	4.3	4.9	1973	534.6	165.5	369.1
595.3	569.8	25.5	4.3	4.8	5.6	1974	542.2	166.6	375.7
595.3	551.6	43.6	7.3	9.1	8.5	1975	531.2	153.9	377.3
604.8	566.6	38.2	6.3	7.8	7.7	1976	541.9	155.6	386.3
623.4	588.7	34.7	5.6	6.5	7.1	1977	562.1	161.1	401.0
648.3	615.8	32.5	5.0	5.4	6.1	1978	591.2	169.2	421.9
663.4	628.1	35.3	5.3	5.9	5.8	1979	607.4	173.1	434.3
676.2	628.8	47.5	7.0	8.4	7.1	1980	600.7	162.4	438.2
678.5	619.3	59.1	8.7	9.6	7.6	1981	592.2	157.3	434.9
684.3	612.4	71.9	10.5	12.5	9.7	1982	575.3	146.3	429.0
687.6	615.2	72.4	10.5	12.2	9.6	1983	575.6	140.4	435.2
695.9	638.4	57.5	8.3	9.4	7.5	1984	600.8	145.0	455.8
710.6	659.1	51.5	7.2	8.9	7.2	1985	628.1	147.1	481.0
727.8	680.7	47.2	6.5	8.1	7.0	1986	650.8	147.7	503.1
744.7	700.7	44.0	5.9	7.0	6.2	1987	677.1	145.4	531.7

[a] Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.

[b] Unemployment as percentage of Civilian Labor Force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA

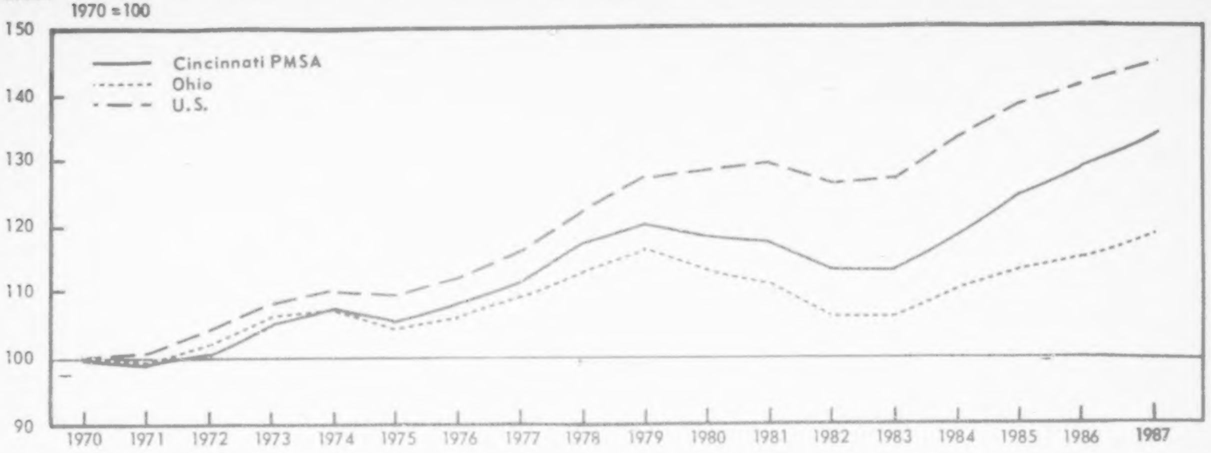
ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	PMSA	Ohio
TOTAL	607.4	575.6	677.1	-31.8	101.5	319.2	124.0
MANUFACTURING	173.1	140.4	145.4	-32.7	5.0	15.3	9.3
Durable Goods	98.7	77.0	78.9	-21.7	1.9	8.8	5.0
Fabricated Metal Products	16.7	11.5	10.3	-5.2	-1.2	-	8.1
Machinery, Except Electrical	26.7	19.4	20.7	-7.3	1.3	17.8	.1
Metalworking Machinery	12.9	9.6	8.3	-3.3	-1.3	-	5.7
Electric and Electronic Equipment	9.4	8.1	7.5	-1.3	-.6	-	-
Transportation Equipment	27.4	24.0	26.8	-3.4	2.8	82.4	47.2
Motor Vehicles and Equipment	12.7	9.2	6.3	-3.5	-2.9	-	20.5
Nondurable Goods	74.5	63.4	66.5	-11.1	3.1	27.9	27.8
Food and Kindred Products	17.9	13.5	13.1	-4.4	-.4	-	-
Printing and Publishing	13.0	11.6	13.3	-1.4	1.7	121.4	154.2
Chemicals and Allied Products	22.5	21.2	22.3	-1.3	1.1	84.6	-
CONSTRUCTION	27.4	20.4	29.6	-7.0	9.2	131.4	88.7
TRANSPORTATION AND PUBLIC UTILITIES	34.2	31.4	35.3	-2.8	3.9	139.3	25.0
Communication, Electric, Gas Services	13.2	14.7	15.0	1.5	.3	+	+ -
WHOLESALE TRADE	37.8	36.5	44.1	-1.3	7.6	584.6	254.4
RETAIL TRADE	102.2	104.7	125.9	2.5	21.2	+	435.4
FINANCE, INSURANCE, AND REAL ESTATE	32.1	32.8	40.3	.7	7.5	+	+
SERVICES	117.4	129.7	168.8	12.3	39.1	+	+
GOVERNMENT	82.8	79.2	87.3	-3.6	8.1	225.0	178.8
Federal Government	13.3	12.4	14.9	-.9	2.5	277.8	315.0
State Government	17.6	17.8	19.8	.2	2.0	+	+
Local Government	51.8	49.0	52.6	-2.8	3.6	125.0	73.9

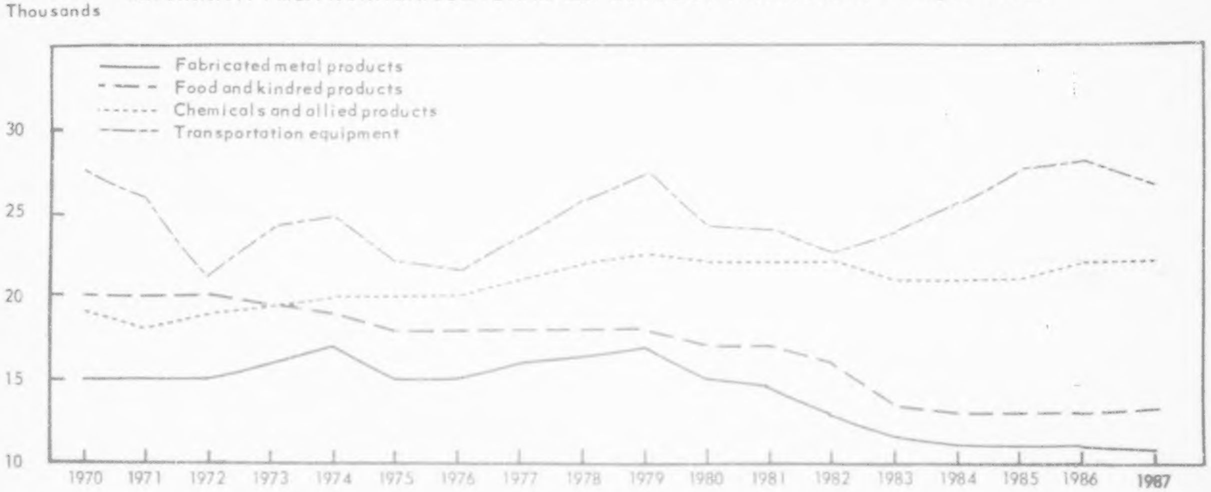
+ No downturn, 1979-1983.

- No upturn, 1983-1987.

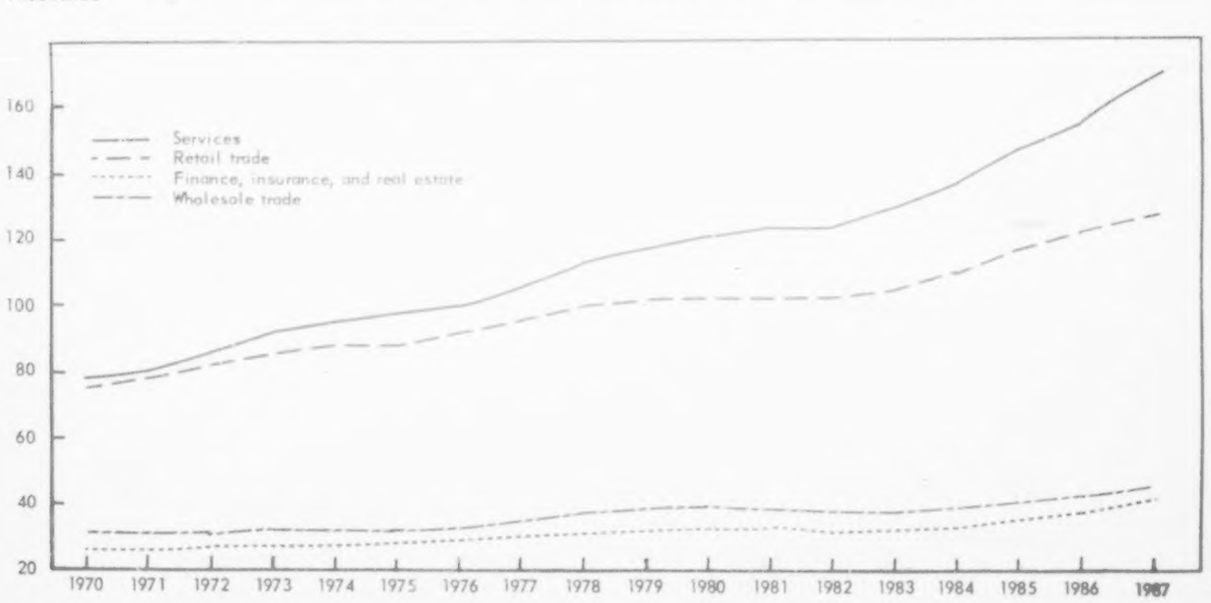
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CINCINNATI PMSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



CINCINNATI PMSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	677.1	650.1	654.0	656.6	673.1	679.6	680.2	679.4	686.1	689.7	688.8	693.1	694.9
MANUFACTURING	145.4	142.4	145.7	142.2	146.9	147.6	144.7	144.9	148.7	146.3	144.1	145.4	145.6
Durable Goods[b]	78.9	77.9	80.7	77.2	81.1	81.3	78.1	77.9	81.8	78.7	76.8	77.8	77.8
Fabricated metal products	10.3	10.2	10.7	10.3	10.4	10.6	10.2	10.1	10.3	10.3	10.3	10.3	10.3
Fabricated structural metal products	4.1	3.9	3.9	4.0	4.2	4.4	4.0	4.0	4.1	4.2	4.1	4.1	4.1
Machinery, except electrical	20.7	20.7	20.5	20.4	20.6	20.8	21.0	20.7	20.7	20.8	20.6	20.7	20.6
Metalworking machinery	8.3	8.5	8.4	8.3	8.3	8.3	8.4	8.3	8.3	8.2	8.2	8.1	8.0
General industrial machinery	2.9	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0
Electric and electronic equipment	7.5	7.4	7.5	7.1	7.3	7.4	7.5	7.5	7.6	7.6	7.5	7.5	7.5
Transportation equipment	26.8	26.2	29.1	25.8	29.1	29.0	25.8	25.9	29.5	26.0	24.4	25.4	25.4
Motor vehicles and equipment	6.3	5.6	8.5	5.7	8.5	8.5	5.1	5.2	8.8	5.4	3.9	5.2	5.2
Nondurable Goods[c]	66.5	64.5	65.0	65.1	65.8	66.3	66.6	67.0	66.9	67.6	67.3	67.6	67.8
Food and kindred products	13.1	12.6	12.6	12.8	13.0	13.1	13.0	13.3	13.2	13.4	13.2	13.3	13.4
Beverages	3.6	3.7	3.7	3.6	3.6	3.6	3.6	3.7	3.6	3.5	3.4	3.4	3.5
Apparel and other textile products	3.7	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	4.1	4.1
Paper and allied products	6.1	6.0	6.1	6.0	6.0	6.1	6.1	6.0	6.1	6.2	6.1	6.1	6.1
Printing and publishing	13.3	13.1	13.2	13.1	13.3	13.3	13.2	13.3	13.3	13.4	13.3	13.3	13.3
Commercial printing	5.8	5.5	5.7	5.8	5.7	5.8	5.9	5.9	5.9	6.1	5.9	5.8	5.8
Chemicals and allied products	22.3	21.8	21.8	21.8	22.1	22.2	22.5	22.6	22.5	22.5	22.5	22.6	22.6
Rubber and misc. plastics products	5.7	5.8	5.5	5.5	5.5	5.6	5.6	5.6	5.8	5.9	6.0	6.0	6.0
NONMANUFACTURING[d]	531.7	507.6	508.3	514.4	526.2	532.0	535.5	534.4	537.3	543.4	544.7	547.7	549.3
CONSTRUCTION	29.6	25.5	25.1	26.1	27.9	28.9	30.2	31.2	32.2	32.1	32.7	32.3	31.2
TRANSPORTATION AND PUBLIC UTILITIES	35.3	34.2	34.1	34.0	34.8	35.2	35.5	35.5	35.7	36.2	36.2	36.1	36.1
Trucking and warehousing	9.9	9.5	9.5	9.6	9.6	9.9	10.0	10.0	10.2	10.2	10.1	10.1	10.2
Communication, electric, gas services	15.0	15.0	14.9	14.9	14.9	14.9	15.0	15.2	15.1	15.1	15.0	15.0	15.0
WHOLESALE TRADE	44.1	43.3	43.4	43.7	43.6	43.7	44.1	44.2	44.4	44.5	44.8	44.8	45.1
Wholesale trade-durable goods	26.0	25.4	25.4	25.6	25.8	25.8	25.9	26.0	26.1	26.2	26.4	26.3	26.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	125.9	121.0	119.8	121.5	123.7	125.4	125.9	126.7	127.5	128.0	128.7	130.5	132.0
General merchandise stores	18.0	18.2	17.0	17.4	17.3	17.6	17.6	17.7	17.7	17.9	18.3	19.2	19.9
FINANCE, INSURANCE, AND REAL ESTATE	40.3	38.9	39.0	39.3	39.6	40.0	40.6	41.3	41.0	40.8	40.8	41.1	41.3
Banking	8.7	8.5	8.5	8.5	8.6	8.7	8.7	8.8	8.8	8.8	8.8	8.9	8.9
Insurance carriers	13.8	13.6	13.6	13.7	13.7	13.7	13.9	13.8	13.8	13.9	13.9	14.0	14.1
SERVICES	168.8	157.2	158.5	160.9	166.8	169.1	172.1	175.7	174.5	174.6	172.2	172.8	173.3
Hotels and other lodging places	6.4	5.7	5.8	6.0	6.5	6.5	6.7	6.8	6.9	6.7	6.5	6.5	6.4
Personal services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.5	8.5	8.5	8.6
Business services	39.6	37.3	37.5	37.9	38.4	38.7	39.8	40.7	41.4	41.8	41.6	41.7	41.8
Amusement and recreation services	8.4	5.5	5.3	5.8	8.3	10.0	11.2	11.3	11.0	10.1	7.2	7.4	8.1
Health services	52.4	50.8	50.8	51.0	51.9	51.9	52.6	53.2	53.4	53.2	53.5	53.5	53.6
Hospitals	25.1	24.4	24.5	24.6	24.8	24.9	25.3	25.3	25.4	25.3	25.5	25.5	25.6
GOVERNMENT	87.3	86.9	87.4	88.4	89.2	89.3	86.8	81.8	81.7	86.7	88.8	89.7	89.8
Federal government	14.9	14.8	14.9	15.3	15.5	15.2	14.7	14.4	14.9	14.8	14.9	14.9	15.5
State government	19.6	19.7	20.2	20.3	20.4	20.4	19.8	18.3	18.4	19.1	20.0	20.2	20.2
State government education	11.7	11.8	12.3	12.5	12.4	12.6	11.7	10.2	10.4	11.2	12.3	12.5	12.5
State government, except education	7.9	7.9	7.9	7.8	8.0	7.8	8.1	8.1	8.1	7.9	7.8	7.7	7.7
Local government	52.5	52.6	52.7	53.0	53.2	53.7	52.3	49.1	48.8	52.9	53.9	54.5	54.1
Local government education	30.1	30.9	31.0	31.2	31.1	31.4	29.6	26.0	25.8	30.0	31.2	31.9	31.8
Local government, except education	22.4	21.7	21.8	21.7	22.1	22.5	22.7	23.1	23.0	22.9	22.7	22.6	2.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-3 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	650.8	630.1	629.5	633.2	644.9	649.2	653.2	652.7	653.5	662.8	664.3	667.3	668.8
MANUFACTURING	147.7	148.5	147.8	147.0	147.0	144.3	148.0	148.0	148.0	148.7	148.7	148.5	147.7
Durable Goods[b]	82.0	83.5	82.9	82.2	82.0	79.0	82.0	81.9	82.0	82.2	82.2	82.1	82.0
Fabricated metal products	10.6	10.7	10.8	10.8	10.8	10.7	10.6	10.4	10.6	10.6	10.7	10.5	10.5
Fabricated structural metal products	4.0	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	4.0	4.2	4.1	4.1
Machinery, except electrical	21.3	21.6	21.5	21.4	21.4	21.4	21.4	21.4	21.3	21.1	21.2	21.2	21.1
Metalworking machinery	9.1	9.5	9.4	9.4	9.2	9.1	9.1	9.1	9.0	8.9	8.8	8.8	8.7
General industrial machinery	3.0	3.1	3.0	2.9	3.0	3.0	3.0	3.0	2.9	3.0	3.0	3.0	3.0
Electric and electronic equipment	7.7	7.9	7.9	7.9	7.7	7.6	7.5	7.5	7.5	7.6	7.6	7.6	7.5
Transportation equipment	28.1	28.8	28.4	27.6	27.7	24.9	28.0	28.3	28.5	28.6	28.6	29.0	29.2
Motor vehicles and equipment	8.6	9.8	9.7	8.7	8.7	5.8	8.6	8.6	8.6	8.6	8.4	8.5	8.7
Nondurable Goods[c]	65.7	65.0	64.9	64.8	65.0	65.3	65.9	66.2	66.0	66.5	66.5	66.4	65.6
Food and kindred products	13.0	12.7	12.7	12.7	12.7	12.9	13.2	13.1	13.2	13.3	13.3	13.2	13.1
Beverages	3.9	3.8	3.8	3.8	3.7	3.9	4.0	3.9	4.0	4.0	4.0	3.9	3.9
Apparel and other textile products	3.4	3.5	3.3	3.5	3.5	3.4	3.4	3.4	3.5	3.4	3.5	3.5	3.4
Paper and allied products	6.0	6.0	6.0	6.1	6.0	6.0	6.0	6.1	6.1	6.1	6.0	6.0	5.9
Printing and publishing	13.1	13.0	13.0	12.7	13.0	13.1	13.2	13.1	12.9	13.2	13.4	13.4	12.8
Commercial printing	5.7	5.6	5.6	5.6	5.5	5.6	5.6	5.6	5.7	5.7	5.9	5.9	5.5
Chemicals and allied products	22.0	21.8	21.8	21.9	21.8	21.8	22.0	22.2	22.2	22.2	22.1	22.2	22.3
Rubber and misc. plastics products	5.6	5.5	5.6	5.5	5.4	5.4	5.5	5.6	5.6	5.7	5.8	5.8	5.8
NONMANUFACTURING[d]	503.1	481.7	481.8	486.2	497.9	505.0	505.2	504.7	505.6	514.1	515.5	518.8	521.1
CONSTRUCTION	26.1	22.3	21.6	22.5	24.7	26.0	26.8	27.6	28.2	28.1	28.9	28.9	27.7
TRANSPORTATION AND PUBLIC UTILITIES	33.5	32.9	32.8	33.0	33.4	33.5	31.7	33.6	33.5	34.1	34.4	34.4	34.3
Trucking and warehousing	9.4	8.9	8.8	9.0	9.2	9.2	9.4	9.5	9.5	9.6	9.9	10.0	9.8
Communication, electric, gas services	14.7	14.7	14.7	14.7	14.8	14.8	13.1[e]	15.0	15.0	15.0	14.9	14.9	14.9
WHOLESALE TRADE	42.4	41.8	41.6	41.8	41.8	42.2	42.6	42.4	42.6	42.4	43.0	43.0	43.1
Wholesale trade-durable goods	25.3	25.0	25.0	25.1	25.1	25.2	25.4	25.4	25.4	25.3	25.5	25.5	25.4

See footnotes at end of table.

RS-790-1-3 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	122.0	118.5	116.6	117.4	119.8	121.4	122.3	122.8	123.7	123.9	123.9	126.0	127.6
General merchandise stores	18.4	19.0	17.9	18.0	18.1	18.1	18.3	17.9	18.1	18.3	18.2	19.1	20.2
FINANCE, INSURANCE, AND REAL ESTATE	38.2	36.5	36.5	36.6	37.3	38.1	38.4	39.0	39.0	39.1	39.1	39.4	39.7
Banking	8.1	7.9	8.0	8.0	8.0	8.1	8.1	8.2	8.2	8.1	8.4	8.4	8.4
Insurance carriers	12.7	11.9	12.0	12.0	12.3	12.4	12.7	12.7	12.9	12.9	13.2	13.4	13.5
SERVICES	155.9	145.2	146.6	148.4	153.6	156.6	158.6	160.6	161.1	161.4	159.0	159.2	160.2
Hotels and other lodging places	6.1	5.6	5.7	5.8	6.1	6.4	6.6	6.5	6.6	6.4	6.0	5.9	5.9
Personal services	7.8	7.9	7.9	8.0	8.1	7.8	7.8	7.8	7.7	7.7	7.8	7.7	7.8
Business services	36.0	32.1	32.7	33.2	34.7	35.4	35.8	37.3	38.1	38.6	37.8	38.0	38.2
Amusement and recreation services	7.9	5.3	5.2	5.7	7.9	9.3	10.5	10.5	10.4	9.6	6.9	6.7	7.3
Health services	48.9	47.7	47.9	47.9	48.1	48.4	48.6	49.5	49.2	49.2	50.0	50.4	50.3
Hospitals	23.5	23.1	23.2	23.2	23.2	23.2	23.3	23.6	23.3	23.3	23.9	24.2	24.0
GOVERNMENT	84.7	84.2	85.7	86.2	86.6	86.8	84.4	78.4	77.0	84.7	86.8	87.5	88.3
Federal government	14.2	13.8	14.4	14.5	14.7	14.2	14.0	13.8	13.8	14.1	14.0	14.1	14.6
State government	19.2	18.8	19.6	19.7	19.8	19.4	18.9	17.6	17.8	18.9	20.0	20.2	20.0
State government education	11.5	11.3	12.0	12.1	12.1	11.7	11.0	9.6	9.7	11.0	12.2	12.4	12.2
State government, except education	7.8	7.6	7.6	7.6	7.7	7.7	7.9	8.0	8.0	7.9	7.7	7.8	7.8
Local government	51.3	51.5	51.7	52.0	52.1	53.2	51.5	47.0	45.4	51.8	52.9	53.2	53.6
Local government education	29.3	29.9	30.5	30.5	30.4	31.1	29.0	24.2	22.9	29.4	30.7	31.3	31.9
Local government, except education	22.0	21.6	21.2	21.5	21.7	22.1	22.5	22.7	22.6	22.4	22.1	21.9	21.7

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-3 (1986)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$10.95	$10.84	$11.02	$10.88	$10.99	$11.02	$10.90	$10.73	$11.07	$10.97	$10.87	$11.02	$11.12
Durable Goods[b]	10.89	10.85	11.11	10.74	10.94	11.05	10.74	10.42	11.10	10.84	10.75	10.94	11.10
Fabricated metal products	9.68	9.52	9.48	9.58	9.70	9.73	9.61	9.61	9.72	9.72	9.81	9.82	9.89
Fabricated structural metal products..	9.83	9.86	9.87	9.84	9.98	10.08	9.65	9.62	9.72	9.72	9.83	9.82	9.98
Machinery, except electrical	9.90	9.80	9.88	9.84	9.75	9.81	9.88	9.84	9.90	9.90	10.01	10.05	10.15
Metalworking machinery	10.84	10.56	10.79	10.63	10.49	10.66	10.94	10.78	10.86	10.86	10.97	11.17	11.42
General industrial machinery	9.50	9.37	9.42	9.45	9.21	9.37	9.32	9.32	9.32	9.72	9.85	9.77	9.77
Electric and electronic equipment	8.76	8.76	8.74	8.46	8.88	8.83	8.68	8.69	8.78	8.85	8.74	8.80	8.83
Transportation equipment	14.82	14.62	14.70	14.49	14.54	14.82	14.67	14.03	15.21	15.04	15.08	15.23	15.32
Motor vehicles and equipment	16.00	15.93	15.49	15.98	15.71	15.85	16.25	15.76	16.00	16.28	16.57	16.41	16.42
Nondurable Goods[c]	11.02	10.84	10.93	11.01	11.03	10.99	11.05	11.03	11.04	11.10	10.98	11.11	11.13
Food and kindred products	11.48	11.10	11.15	11.23	11.32	11.32	11.43	11.39	11.73	11.80	11.55	11.86	11.77
Beverages	12.49	12.40	12.44	12.39	12.34	12.40	12.54	12.52	12.56	12.61	12.53	12.55	12.57
Apparel and other textile products	5.67	5.79	5.72	5.72	5.69	5.63	5.59	5.58	5.68	5.67	5.64	5.66	5.71
Paper and allied products	10.04	9.94	10.18	10.11	10.04	10.06	10.09	10.11	10.06	10.08	9.90	9.92	9.94
Printing and publishing	11.33	11.34	11.60	11.35	11.24	11.09	11.27	11.26	11.41	11.33	11.26	11.31	11.45
Commercial printing	11.48	11.65	11.88	11.55	11.29	11.27	11.44	11.49	11.62	11.52	11.19	11.26	11.61
Chemicals and allied products	12.73	12.37	12.51	12.76	12.78	12.83	12.77	12.76	12.62	12.78	12.72	12.89	12.98
Rubber and misc. plastics products	9.39	9.17	9.17	9.12	9.45	9.61	9.74	9.52	9.34	9.58	9.45	9.21	9.23
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.42	13.19	13.14	13.14	13.31	13.27	13.27	13.54	13.51	13.68	13.66	13.68	13.58
WHOLESALE TRADE	9.53	9.41	9.37	9.50	9.56	9.61	9.58	9.58	9.51	9.65	9.56	9.54	9.53
RETAIL TRADE[d]	5.62	5.62	5.64	5.66	5.64	5.56	5.65	5.57	5.53	5.65	5.62	5.63	5.67

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-3 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI AREA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.7	42.3	42.4	42.5	41.8	42.3	42.8	42.1	42.7	43.0	43.0	43.3	43.9
Durable Goods[b]	42.8	42.5	42.9	42.9	41.7	42.3	42.9	41.9	42.9	43.3	43.2	43.4	44.4
Fabricated metal products	43.5	42.8	42.4	42.9	42.9	43.8	44.2	44.7	43.7	44.4	43.3	42.9	43.9
Fabricated structural metal products	44.0	41.6	40.2	42.2	43.9	45.4	44.6	46.8	45.0	46.5	43.7	43.5	44.6
Machinery, except electrical	42.1	42.7	42.2	42.2	41.6	41.3	41.6	41.4	41.9	41.8	42.4	42.8	43.5
Metalworking machinery	42.4	42.9	43.2	42.2	42.1	42.4	42.6	40.4	42.5	41.8	41.3	43.0	44.5
General industrial machinery	44.6	43.8	44.1	44.6	44.3	43.7	41.2	43.4	42.8	46.6	46.3	46.8	47.0
Electric and electronic equipment	40.1	39.7	38.4	40.4	40.3	39.8	39.1	38.6	40.0	40.2	40.7	41.0	42.7
Transportation equipment	45.6	46.6	46.7	47.0	43.3	44.4	46.9	42.8	44.3	46.2	46.1	46.6	47.8
Motor vehicles and equipment	45.8	47.9	43.8	49.5	43.7	44.2	51.7	40.4	43.1	47.5	48.1	47.8	49.1
Nondurable Goods[c]	42.5	42.1	41.9	42.1	41.9	42.3	42.7	42.3	42.5	42.8	42.8	43.2	43.5
Food and kindred products	44.3	43.4	44.0	43.9	43.6	43.6	44.8	43.0	45.1	45.7	44.2	45.4	44.9
Beverages	42.6	43.9	43.8	41.6	42.7	43.0	42.5	41.8	42.9	43.9	41.5	41.4	41.7
Apparel and other textile products	38.3	37.7	38.2	38.4	37.9	38.7	37.3	36.7	38.0	37.7	40.1	39.4	39.1
Paper and allied products	42.8	41.2	41.8	42.3	42.1	42.9	43.4	42.9	43.0	43.5	43.9	44.2	42.8
Printing and publishing	40.6	40.6	40.7	39.3	39.5	39.7	40.7	40.4	41.2	41.7	40.7	40.9	42.3
Commercial printing	43.4	44.9	44.8	42.1	42.4	41.7	43.5	44.2	44.5	45.1	41.9	42.3	43.9
Chemicals and allied products	42.6	42.7	41.2	43.0	42.9	42.7	42.5	43.2	42.0	41.6	42.2	43.5	44.0
Rubber and misc. plastics products	45.2	43.9	44.1	44.6	44.2	45.7	47.2	45.9	44.4	46.5	47.0	44.5	44.2
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.0	39.7	39.4	39.4	39.9	39.6	39.8	40.9	40.2	40.5	40.4	40.6	40.1
WHOLESALE TRADE	40.7	40.2	40.0	40.5	40.0	40.4	40.7	41.2	41.0	41.0	40.7	41.2	40.9
RETAIL TRADE	29.2	28.4	28.1	28.7	28.8	28.7	29.4	30.0	30.2	29.8	29.5	29.2	29.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-3-3 (1987)

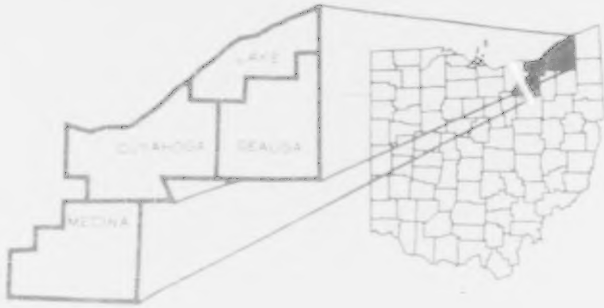
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$467.57	$458.53	$467.25	$462.40	$459.38	$466.15	$466.52	$451.73	$472.69	$471.71	$467.41	$477.17	$488.17
Durable Goods[b]	466.09	461.13	476.62	460.75	456.20	467.42	460.75	436.60	476.19	469.37	464.40	474.80	492.84
Fabricated metal products	421.08	407.46	401.95	410.98	416.13	426.17	424.76	429.57	424.76	431.57	424.77	421.28	434.17
Fabricated structural metal products	432.52	410.18	396.77	415.25	438.12	457.63	430.39	450.22	437.40	451.98	429.57	427.17	445.11
Machinery, except electrical	416.79	418.46	416.94	415.25	405.60	405.15	411.01	407.38	414.81	413.82	424.42	430.14	441.53
Metalworking machinery	459.62	453.02	466.13	448.59	441.63	451.98	466.04	435.51	461.55	453.95	453.06	480.31	508.19
General industrial machinery	423.70	410.41	415.42	421.47	408.00	409.47	383.98	404.49	398.90	452.95	456.06	457.24	459.19
Electric and electronic equipment	351.28	347.77	335.62	341.78	357.86	351.43	339.39	335.43	351.20	355.77	355.72	360.80	377.04
Transportation equipment	675.79	681.29	686.49	681.03	629.58	658.01	688.02	600.48	673.80	694.85	695.19	709.72	732.30
Motor vehicles and equipment	732.80	763.05	678.46	791.01	686.53	700.57	840.13	636.70	689.60	773.30	797.02	784.40	806.22
Nondurable Goods[c]	468.35	456.36	457.97	463.52	462.16	464.88	471.84	466.57	469.20	475.08	469.94	479.95	484.16
Food and kindred products	508.56	481.74	490.60	493.00	493.55	493.55	512.06	489.77	529.02	539.26	510.51	538.44	528.47
Beverages	532.07	544.36	544.87	515.42	526.92	533.20	532.95	523.34	538.82	553.58	520.00	519.57	524.17
Apparel and other textile products	217.16	218.28	218.50	219.65	215.65	217.88	208.51	204.79	215.84	213.76	226.16	223.00	223.26
Paper and allied products	429.71	409.53	425.52	427.65	422.68	431.57	437.91	433.72	432.58	438.48	434.61	438.46	425.43
Printing and publishing	460.00	460.40	472.12	446.06	443.98	440.27	458.69	454.90	470.09	472.46	458.28	462.58	484.34
Commercial printing	498.23	523.09	532.22	486.26	478.70	469.96	497.64	507.86	517.09	519.55	468.86	476.30	509.68
Chemicals and allied products	542.30	528.20	515.41	548.68	548.26	547.84	542.73	551.23	530.04	531.65	536.78	560.72	571.12
Rubber and misc. plastics products	424.43	402.56	404.40	406.75	417.69	439.18	459.73	436.97	414.70	445.47	444.15	409.85	407.97
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	536.80	523.64	517.72	517.72	531.07	525.49	528.15	553.79	543.10	554.04	551.86	555.41	544.56
WHOLESALE TRADE	387.87	378.28	374.80	384.75	382.40	388.24	389.91	394.70	389.91	395.65	389.09	393.05	389.78
RETAIL TRADE[d]	164.10	159.61	158.48	162.44	162.43	159.57	166.11	167.10	167.01	168.37	165.79	164.40	168.40
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	258.56	261.17	259.47	255.37	258.42	258.32	259.34	255.25	256.92	258.88	260.78	259.95	258.93

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-2-3 (1987)

CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

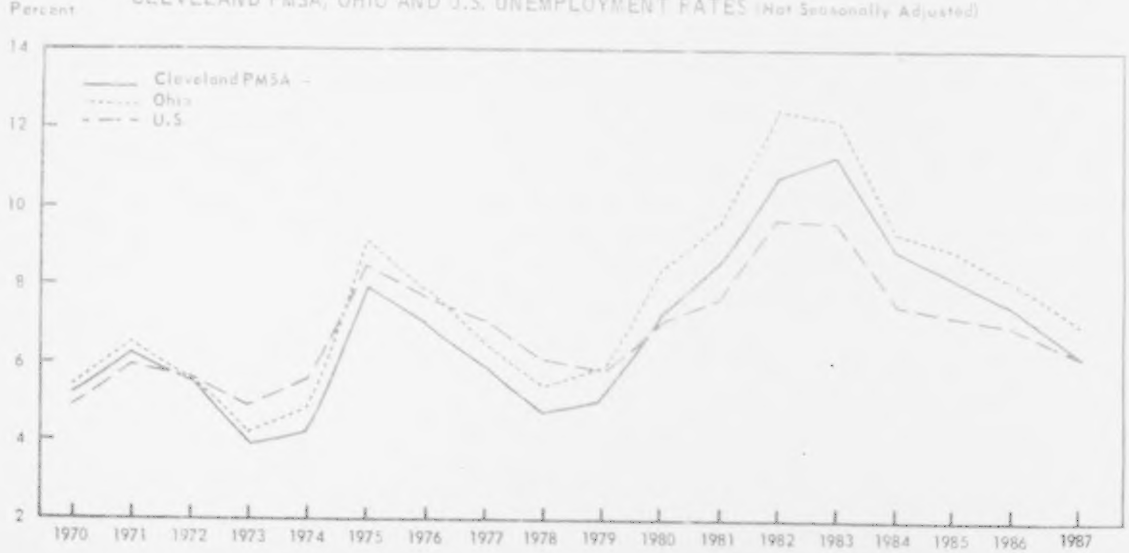


The estimated annual average civilian labor force in the Cleveland metropolitan area, distributed by place of residence, was 926,600 in 1987, 6,200 lower than the 1986 level. Over the year, total employment advanced 6,100, to 868,800, while unemployment decreased 12,300, to 57,800. The unemployment rate declined 1.3 points, from 7.5 percent in 1986 to 6.2 percent in 1987. (See table, page 65, top.)

Nonagricultural wage and salary employment gained 12,400 from the 1986 level, to 891,600 in 1987. Expansion in nonmanufacturing industries created 16,400 jobs. Major growth sectors were services, particularly health and business services, retail trade, and finance, insurance, and real estate. Manufacturing employment was 2.0 percent lower than 1986, a reduction of 4,100 workers. Modest gains in nondurable-goods industries were negated by losses in durable goods. Greatest declines were registered in electric and electronic equipment, nonelectrical machinery, and instruments and related products.

The Cleveland area recovered 68.7 percent of jobs lost during the recessionary period, increasing total nonfarm employment 61,800 since 1983. Growth in services and retail trade contributed 90.9 percent of the gain. Manufacturing employment continued its downward trend at 200,800, down 6,500 from the 1983 level. Although fabricated metal products rose 1,200, significant losses during the 1983-1987 post-recessionary period were recorded in electric and electronic equipment, primary metal industries, nonelectrical machinery, and transportation equipment. (See table, page 65, bottom.)

CLEVELAND PMSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CLEVELAND PMSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]				Nonagricultural Wage And Salary Employment	Manufacturing	Nonmfg.
			PMSA	Ohio	U.S.				
873.2	825.2	48.0	5.5	5.5	5.6	1972	838.1	273.9	564.2
883.9	849.0	34.9	3.9	4.3	4.9	1973	865.2	288.1	577.1
899.1	861.4	37.7	4.2	4.8	5.6	1974	879.2	287.1	592.1
896.9	826.3	70.6	7.9	9.1	8.5	1975	850.6	260.3	590.3
897.7	834.4	63.3	7.0	7.8	7.7	1976	860.0	265.1	594.9
908.5	854.4	54.0	5.9	6.5	7.1	1977	880.9	270.8	610.2
921.7	878.5	43.2	4.7	5.4	6.1	1978	905.8	275.6	630.2
935.8	889.1	46.7	5.0	5.9	5.8	1979	919.8	276.3	643.5
937.1	869.1	68.0	7.3	8.4	7.1	1980	895.7	254.9	640.8
933.9	854.0	79.8	8.5	9.6	7.6	1981	880.7	246.8	633.9
933.4	833.2	100.2	10.7	12.5	9.7	1982	844.6	223.0	621.7
928.7	823.4	105.3	11.3	12.2	9.6	1983	829.8	207.3	622.5
923.6	841.0	82.6	8.9	9.4	7.5	1984	854.5	213.8	640.7
926.0	849.2	76.8	8.3	8.9	7.2	1985	868.7	211.2	657.5
932.8	862.7	70.1	7.5	8.1	7.0	1986	879.2	204.9	674.4
926.6	868.8	57.8	6.2	7.0	6.2	1987	891.6	200.8	690.8

[a] Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.

[b] Unemployment as percentage of Civilian Labor Force.

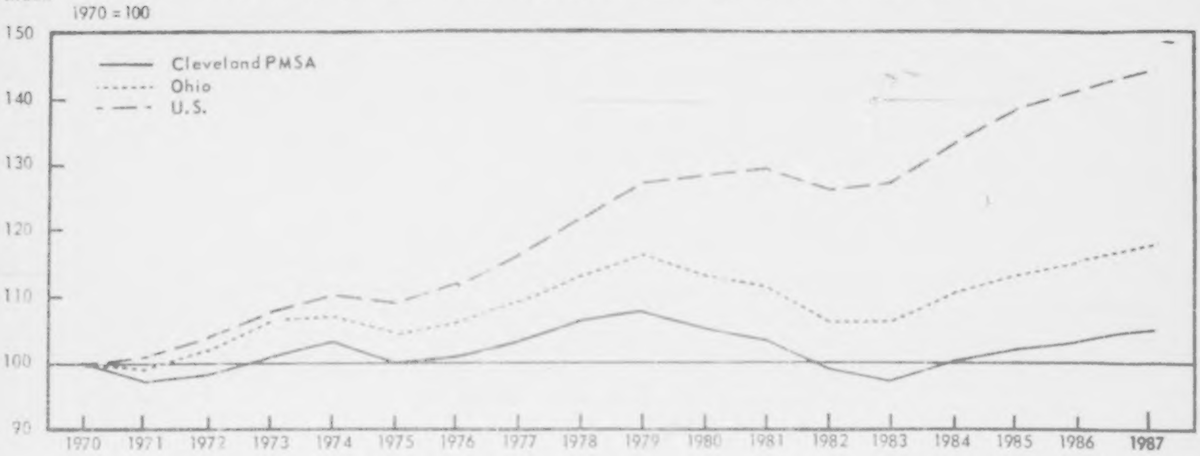
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	PMSA	Ohio
TOTAL	919.8	829.8	891.6	-90.0	61.8	68.7	124.0
MANUFACTURING	276.3	207.3	200.8	-69.0	-6.5	-	9.3
Durable Goods	205.1	143.9	136.5	-61.2	-7.4	-	5.0
Primary Metal Industries	31.6	24.1	20.9	-7.5	-3.2	-	-
Fabricated Metal Products	45.5	31.1	32.3	-14.4	1.2	8.3	8.1
Machinery, Except Electrical . . .	50.7	30.9	29.0	-19.8	-1.9	-	.1
Electric and Electronic Equipment .	26.5	21.3	17.8	-5.2	-3.5	-	-
Transportation Equipment	31.8	20.3	19.2	-11.5	-1.1	-	47.2
Motor Vehicles and Equipment . . .	24.0	13.9	12.0	-10.1	-1.9	-	20.5
Nondurable Goods	71.2	63.4	64.3	-7.8	.9	11.5	27.8
CONSTRUCTION	33.5	25.3	28.2	-8.2	2.9	35.4	88.7
TRANSPORTATION AND PUBLIC UTILITIES . .	47.8	40.9	41.2	-6.9	.3	4.3	25.0
Communication, Electric, Gas Services	18.9	19.4	18.0	.5	-1.4	+ -	+ -
WHOLESALE TRADE	65.3	58.9	60.5	-6.4	1.6	25.0	254.4
RETAIL TRADE	146.8	135.9	154.3	-10.9	18.4	168.8	435.4
FINANCE, INSURANCE, AND REAL ESTATE . .	47.9	48.4	54.4	.5	6.0	+	+
SERVICES	182.5	195.7	233.5	13.2	37.8	+	+
GOVERNMENT	118.2	116.1	117.5	-2.1	1.4	66.7	178.8

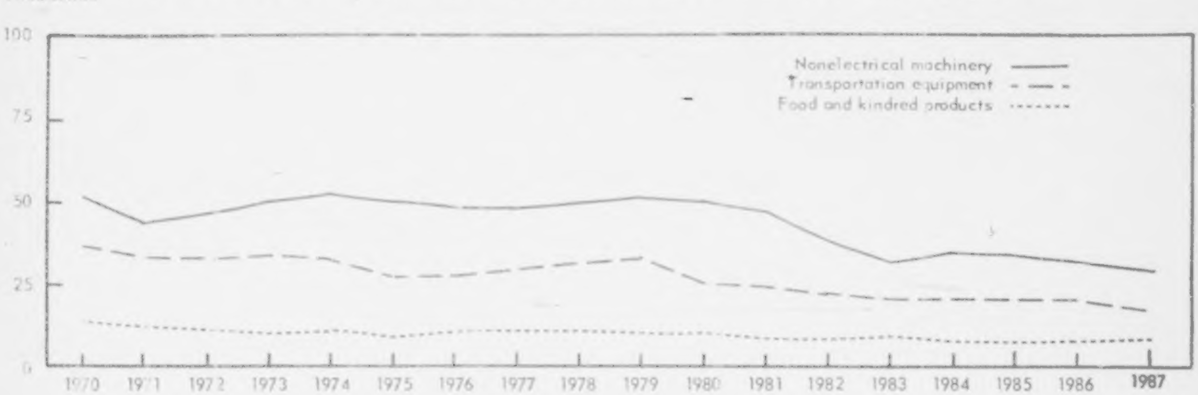
[+] No downturn, 1979-1983.

[-] No upturn, 1983-1987.

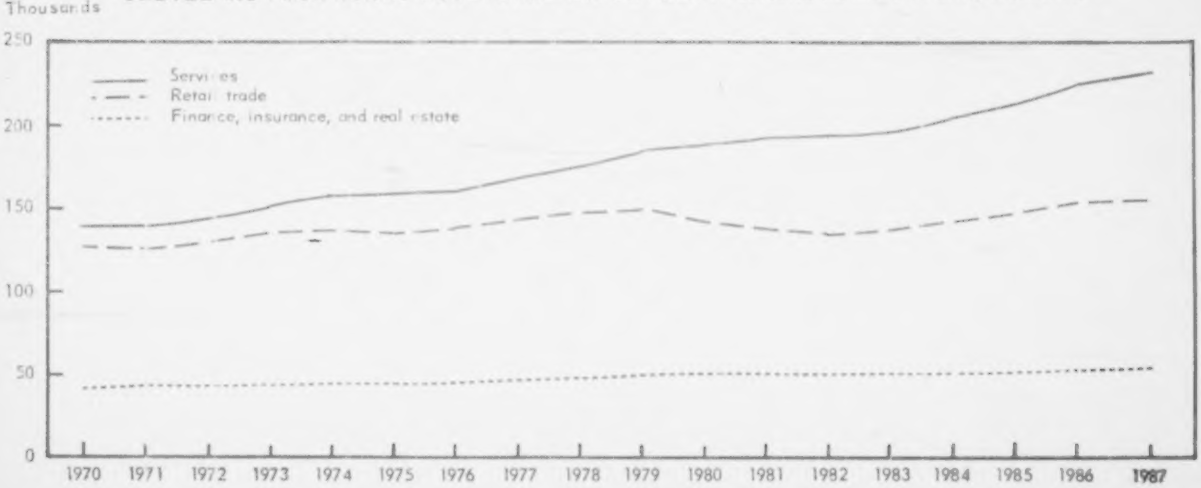
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CLEVELAND PMSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



CLEVELAND PMSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1987[a]

(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	891.6	867.1	868.5	871.3	880.1	889.5	899.0	900.7	899.1	900.3	904.5	908.5	910.2
MANUFACTURING	200.8	199.9	199.6	199.3	199.4	199.9	201.1	199.7	200.3	201.4	202.4	203.3	203.3
Durable Goods[b]	136.5	136.8	136.4	136.2	135.9	135.8	136.2	135.1	135.2	136.4	137.1	138.2	138.3
Primary metal industries	20.9	20.7	20.8	20.9	20.9	20.8	21.0	20.7	20.8	20.9	21.0	21.1	21.2
Iron and steel foundries	5.2	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.0	5.1	5.1	5.2	5.3
Fabricated metal products	32.3	31.7	31.5	31.6	32.0	32.2	32.6	32.1	32.5	32.4	32.8	33.1	33.3
Fabricated structural metal products	4.0	3.8	3.6	3.6	3.9	4.0	4.1	4.2	4.2	4.2	4.2	4.3	4.3
Screw machine products, bolts, etc.	4.7	4.6	4.6	4.6	4.7	4.7	4.8	4.7	4.8	4.8	4.8	4.8	4.8
Metal forgings and stampings	11.3	11.1	11.1	11.3	11.3	11.3	11.4	11.0	11.3	11.1	11.4	11.6	11.7
Machinery, except electrical	29.0	29.2	29.1	28.9	28.8	28.7	28.9	28.8	28.8	28.9	29.1	29.2	29.2
Construction and related machinery	2.5	2.5	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6
Metalworking machinery	9.6	9.7	9.7	9.7	9.6	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6
Special industry machinery	2.8	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
General industrial machinery	3.0	3.0	3.0	3.0	3.0	2.9	3.0	2.9	2.9	2.9	3.0	3.0	3.0
Electric and electronic equipment	17.8	18.4	18.2	18.0	17.6	17.5	17.2	17.5	17.4	17.7	17.8	18.0	18.0
Electrical industrial apparatus	6.0	6.1	6.1	6.1	6.0	5.9	6.0	5.9	5.9	6.0	6.1	6.1	6.2
Transportation equipment	19.2	19.5	19.6	19.5	19.2	19.2	19.3	18.8	18.5	19.1	19.1	19.4	19.3
Motor vehicles and equipment	12.0	12.3	12.4	12.4	12.1	11.9	11.9	11.5	11.2	11.9	12.0	12.2	12.2
Instruments and related products	6.6	6.9	6.8	6.9	6.7	6.7	6.6	6.5	6.6	6.6	6.4	6.6	6.5
Measuring and controlling devices	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.2	4.3	4.2
Nondurable Goods[c]	64.3	63.1	63.2	63.1	63.6	64.1	64.9	64.6	65.0	65.1	65.2	65.1	65.0
Food and kindred products	6.9	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	7.1	7.1	7.2
Apparel and other textile products	4.0	4.1	4.1	4.1	4.1	4.1	4.1	3.9	3.9	3.9	3.9	3.8	3.9
Paper and allied products	5.6	5.5	5.5	5.5	5.5	5.5	5.7	5.5	5.5	5.7	5.7	5.7	5.8
Printing and publishing	16.1	15.9	15.9	15.9	15.9	16.0	16.3	16.4	16.5	16.3	16.3	16.3	16.2
Chemicals and allied products	14.6	14.1	14.2	14.3	14.4	14.6	14.9	14.9	15.0	14.9	14.8	14.8	14.8
Rubber and misc. plastics products	12.1	11.8	11.9	11.8	11.9	12.1	12.2	11.9	12.3	12.4	12.4	12.4	12.2

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
NONMANUFACTURING[d]	690.8	667.2	669.0	672.1	680.7	689.6	697.9	701.0	698.8	698.8	702.2	705.1	706.9
CONSTRUCTION	28.2	23.7	23.2	24.0	25.8	28.3	29.8	30.9	31.2	31.1	31.4	30.5	28.7
TRANSPORTATION AND PUBLIC UTILITIES	41.2	40.5	40.4	40.6	41.2	41.2	41.4	41.5	41.5	41.5	41.5	41.5	41.6
Trucking and warehousing	11.8	11.1	11.1	11.3	11.7	11.8	12.0	12.1	12.1	12.0	12.1	12.3	12.5
Communication, electric, gas services ..	18.0	18.6	18.6	18.5	18.1	18.0	17.9	18.0	17.9	17.8	17.7	17.7	17.7
WHOLESALE TRADE	60.5	59.9	60.1	60.1	60.2	60.6	61.1	61.0	60.6	60.6	60.7	60.8	60.9
Wholesale trade-durable goods	41.9	41.6	41.7	41.7	41.8	42.0	42.2	42.1	41.9	41.7	41.9	41.9	42.0
RETAIL TRADE	154.3	149.5	149.0	148.6	150.5	153.6	155.0	155.2	155.6	155.7	156.6	159.2	163.1
General merchandise stores	20.9	21.3	20.6	20.5	20.3	20.2	20.4	20.3	20.1	20.3	21.1	22.4	23.7
FINANCE, INSURANCE, AND REAL ESTATE	54.4	53.0	53.3	53.5	53.5	53.9	54.7	55.2	55.4	55.2	55.0	55.1	55.1
Banking	13.4	13.2	13.2	13.2	13.2	13.2	13.4	13.6	13.7	13.6	13.4	13.4	13.4
Credit agencies other than banks	8.7	8.6	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.7	8.7	8.7	8.7
Insurance carriers	13.6	13.1	13.2	13.4	13.3	13.5	13.6	13.8	13.8	13.9	13.8	13.8	13.8
SERVICES	233.5	223.9	225.7	227.5	231.1	233.3	236.3	236.0	235.8	238.6	238.8	238.2	237.3
Business services	53.1	50.3	50.4	51.4	52.5	52.5	53.5	54.0	54.1	54.7	54.5	54.4	54.6
Amusement and recreation services	8.1	6.2	6.1	6.2	7.5	8.8	9.8	10.2	10.4	9.8	8.0	7.3	6.9
Health services	74.9	73.6	73.9	74.0	73.8	74.2	74.9	75.5	75.6	75.6	75.8	75.8	75.8
Hospitals	42.4	41.6	41.6	41.7	41.9	42.0	42.4	42.9	43.0	42.9	43.0	42.9	43.1
GOVERNMENT	117.5	115.4	116.2	116.8	117.4	117.6	118.5	120.2	117.7	115.0	117.0	118.8	119.0
Federal government	20.4	20.4	20.3	20.3	20.3	20.3	20.4	20.4	20.3	20.2	20.2	20.5	20.9
State government	8.3	8.4	8.3	8.6	8.8	8.1	8.5	8.2	7.9	7.7	8.2	8.1	8.4
State government education	3.1	3.1	3.3	3.3	3.4	3.0	3.3	2.8	2.4	2.5	3.1	3.1	3.4
State government, except education ...	5.2	5.3	5.0	5.2	5.4	5.1	5.3	5.3	5.4	5.2	5.0	5.0	5.0
Local government	88.8	86.6	87.6	87.9	88.4	89.2	89.5	91.6	89.5	87.1	88.7	90.2	89.6
Local government education	44.0	43.1	44.4	44.9	43.9	44.3	43.3	42.9	41.2	42.4	45.2	46.6	46.1
Local government, except education ...	44.8	43.5	43.1	43.0	44.4	44.9	46.2	48.8	48.4	44.7	43.5	43.6	43.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-4 (1987)

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	879.2	859.3	857.0	860.7	873.6	880.3	889.1	890.5	885.1	885.1	887.8	890.6	891.6
MANUFACTURING	204.9	206.8	205.5	205.6	206.2	206.0	206.8	204.8	202.9	203.5	203.1	203.7	203.2
Durable Goods[b]	140.9	143.1	142.2	142.3	142.6	142.1	142.1	140.5	139.2	139.9	138.7	139.2	138.8
Primary metal industries	21.3	21.6	21.5	21.6	21.5	21.5	21.4	21.2	20.9	20.9	20.9	21.0	21.0
Iron and steel foundries	5.4	5.6	5.7	5.6	5.6	5.6	5.4	5.5	5.3	5.3	5.2	5.3	5.2
Fabricated metal products	32.5	32.7	32.3	32.4	32.6	32.6	32.6	32.4	32.3	32.3	32.5	32.3	32.4
Fabricated structural metal products	3.9	3.8	3.6	3.6	3.6	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.0
Screw machine products, bolts, etc.	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.7
Metal forgings and stampings	11.1	11.2	11.1	11.2	11.2	11.1	11.1	10.8	10.8	10.9	11.1	11.1	11.3
Machinery, except electrical	30.4	31.4	31.0	31.0	31.0	30.7	30.6	30.3	29.8	29.9	29.7	29.6	29.3
Construction and related machinery	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.5	2.5
Metalworking machinery	10.0	10.4	10.1	10.1	10.1	10.1	10.1	10.0	9.7	9.8	9.8	9.8	9.7
Special industry machinery	3.2	3.5	3.4	3.4	3.3	3.2	3.1	3.2	3.1	3.0	3.1	3.0	3.0
General industrial machinery	3.0	2.9	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.1
Electric and electronic equipment	19.3	20.0	20.1	19.9	19.6	19.4	19.3	19.1	19.1	19.2	18.9	18.9	18.6
Electrical industrial apparatus	6.6	7.0	7.0	7.0	6.8	6.8	6.7	6.6	6.5	6.5	6.2	6.2	6.2
Transportation equipment	19.7	19.9	19.8	19.9	20.0	20.0	20.0	19.6	19.1	19.7	19.0	19.8	20.0
Motor vehicles and equipment	12.4	12.6	12.6	12.6	12.6	12.7	12.7	12.3	11.8	12.4	11.8	12.5	12.6
Instruments and related products	7.6	7.9	7.7	7.7	7.8	7.8	7.8	7.6	7.5	7.4	7.3	7.2	7.1
Measuring and controlling devices	4.2	4.3	4.2	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.3	4.3	4.2
Nondurable Goods[c]	64.0	63.7	63.4	63.4	63.6	63.9	64.7	64.3	63.7	63.7	64.5	64.5	64.4
Food and kindred products	6.8	6.5	6.5	6.5	6.6	6.7	6.8	7.0	6.9	7.0	7.1	7.2	7.3
Apparel and other textile products	4.4	4.7	4.5	4.5	4.4	4.5	4.4	4.3	4.2	4.3	4.2	4.2	4.2
Paper and allied products	5.4	5.4	5.4	5.4	5.3	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5
Printing and publishing	16.0	16.0	15.9	16.0	16.0	15.9	16.2	16.0	15.5	15.5	16.2	16.4	16.3
Chemicals and allied products	14.5	14.2	14.2	14.1	14.4	14.5	14.8	14.9	14.7	14.5	14.5	14.4	14.5
Rubber and misc. plastics products	11.8	11.8	11.8	11.8	11.7	11.8	12.0	11.7	11.7	11.9	12.0	11.9	11.7

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
NONMANUFACTURING[d]	674.4	652.6	651.4	655.1	667.4	674.4	682.3	685.7	682.2	681.6	684.6	686.9	688.4
CONSTRUCTION	26.4	23.0	22.0	22.4	24.4	26.2	27.2	28.7	29.0	29.0	29.1	28.4	26.9
TRANSPORTATION AND PUBLIC UTILITIES	41.4	40.3	40.4	40.7	40.9	41.1	40.9	41.6	41.8	41.8	42.3	42.5	42.7
Trucking and warehousing	11.5	11.0	11.0	11.2	11.1	11.2	11.3	11.5	11.7	11.7	11.8	11.9	12.1
Communication, electric, gas services	18.7	18.7	18.7	18.7	18.6	18.6	18.2	18.8	18.9	18.8	18.8	18.8	18.8
WHOLESALE TRADE	61.9	62.1	61.8	61.8	62.4	62.2	62.4	62.3	61.9	61.5	61.5	61.3	61.1
Wholesale trade-durable goods	43.0	43.6	43.3	43.2	43.7	43.4	43.4	43.2	42.8	42.5	42.6	42.4	42.3
RETAIL TRADE	150.8	147.4	145.3	145.8	148.2	149.9	152.4	152.2	151.5	151.6	152.1	154.5	158.2
General merchandise stores	20.5	21.0	19.8	19.2	19.5	19.8	20.0	19.9	19.8	20.0	20.9	22.4	23.5
FINANCE, INSURANCE, AND REAL ESTATE	51.8	49.8	50.0	50.4	50.9	51.5	52.3	52.6	52.9	52.7	52.8	53.0	53.3
Banking	13.0	12.8	12.8	12.9	12.8	12.9	13.1	13.1	13.1	13.0	13.1	13.1	13.2
Credit agencies other than banks	8.3	8.0	8.0	8.1	8.2	8.3	8.5	8.5	8.6	8.4	8.4	8.4	8.5
Insurance carriers	12.6	11.9	12.1	12.2	12.3	12.5	12.6	12.7	12.9	13.0	13.0	13.1	13.2
SERVICES	224.8	214.2	215.1	216.9	223.7	225.6	227.8	228.6	228.1	230.3	230.0	229.2	228.0
Business services	50.1	47.1	47.3	47.7	49.5	49.5	50.6	51.2	51.3	52.0	51.7	51.7	51.4
Amusement and recreation services	8.2	6.1	6.1	6.7	7.9	9.2	9.8	10.0	10.5	9.9	8.1	7.3	6.9
Health services	71.7	69.0	69.2	69.4	70.7	71.2	71.9	72.7	72.7	73.2	73.4	73.6	73.7
Hospitals	40.5	38.8	38.8	38.9	40.3	40.4	40.7	41.1	41.2	41.5	41.5	41.6	41.7
GOVERNMENT	116.2	114.6	115.7	116.0	115.8	116.7	118.1	118.6	115.9	113.5	115.8	116.8	117.1
Federal government	20.1	20.1	19.9	19.8	20.0	20.0	20.1	20.2	20.2	20.1	20.2	20.3	20.5
State government	8.1	7.9	8.1	8.1	8.5	7.9	8.3	8.0	7.9	7.6	8.2	8.0	8.5
State government education	2.9	3.0	3.1	3.2	3.1	2.9	3.0	2.6	2.4	2.4	3.1	3.0	3.3
State government, except education	5.2	5.0	4.9	5.0	5.3	5.0	5.3	5.4	5.5	5.2	5.1	5.0	5.2
Local government	88.0	86.5	87.6	88.1	87.3	88.8	89.7	90.3	87.8	85.9	87.4	88.5	88.1
Local government education	42.6	42.0	43.3	43.6	42.9	43.7	43.0	40.8	38.8	41.5	43.3	44.3	44.2
Local government, except education	45.4	44.5	44.4	44.6	44.4	45.1	46.7	49.5	49.0	44.4	44.1	44.2	43.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

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Columbus 43216 3-25-88 RS-790-1-4 (1986)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.57	$11.69	$11.67	$11.61	$11.59	$11.55	$11.52	$11.40	$11.48	$11.46	$11.59	$11.66	$11.66
Durable Goods[b]	12.17	12.34	12.32	12.25	12.20	12.15	12.10	11.95	12.04	12.01	12.18	12.24	12.24
Primary metal industries	13.35	14.03	13.94	13.82	13.81	13.49	13.36	13.00	13.06	13.17	12.85	12.89	12.72
Iron and steel foundries	16.91	17.18	17.00	16.84	16.96	16.84	16.76	16.06	16.86	17.12	17.04	17.24	16.83
Fabricated metal products	12.07	12.23	12.13	12.13	12.05	12.09	12.03	11.54	11.90	11.85	12.26	12.22	12.38
Fabricated structural metal products	9.60	9.31	9.25	9.38	9.36	9.49	9.63	9.42	9.80	9.92	9.69	10.00	9.82
Screw machine products, bolts, etc.	10.77	10.59	10.68	10.81	10.80	10.78	10.52	10.50	10.56	10.67	10.95	11.05	11.26
Metal forgings and stampings	14.62	14.99	14.75	14.72	14.63	14.66	14.60	13.75	14.23	14.21	14.91	14.77	14.94
Machinery, except electrical	11.37	11.29	11.16	11.39	11.40	11.20	11.35	11.52	11.33	11.05	11.47	11.72	11.53
Construction and related machinery	9.09	9.23	9.02	8.93	8.93	9.05	9.13	8.82	9.03	9.00	9.07	9.27	9.46
Metalworking machinery	10.41	10.26	10.22	10.21	10.32	10.31	10.32	10.35	10.37	10.43	10.65	10.71	10.74
Special industry machinery	12.10	11.91	11.98	11.90	11.90	11.99	11.95	12.03	12.11	12.18	12.42	12.37	12.47
General industrial machinery	11.24	11.14	10.84	11.17	11.21	11.27	11.27	11.14	11.30	11.26	11.33	11.50	11.39
Electric and electronic equipment	10.66	10.59	10.66	10.59	10.58	10.72	10.55	10.73	10.78	10.78	10.67	10.65	10.61
Electrical industrial apparatus	11.36	10.99	11.13	11.03	11.32	11.44	11.43	11.31	11.55	11.49	11.61	11.69	11.30
Transportation equipment	15.10	15.13	15.25	14.96	14.81	14.92	14.82	14.77	14.92	14.99	15.37	15.59	15.54
Motor vehicles and equipment	16.04	15.81	15.98	15.62	15.45	15.70	15.66	15.74	16.02	16.06	16.51	16.86	16.88
Instruments and related products	9.61	9.56	9.59	9.52	9.46	9.56	9.59	9.48	9.55	9.67	9.68	9.78	9.90
Measuring and controlling devices	9.95	9.85	9.92	9.88	9.73	9.88	9.93	9.87	9.89	9.93	10.02	10.15	10.29
Nondurable Goods[c]	10.08	10.03	10.02	10.02	10.05	10.08	10.06	10.08	10.12	10.09	10.12	10.13	10.13
Food and kindred products	8.97	9.30	9.15	9.11	9.13	8.97	8.79	8.75	8.88	9.01	8.80	8.82	8.92
Apparel and other textile products	8.11	8.02	8.07	7.99	7.92	7.97	7.96	8.07	8.07	8.17	8.34	8.44	8.32
Paper and allied products	11.09	10.85	10.92	10.90	10.90	11.12	11.22	11.08	11.13	11.25	11.18	11.26	11.30
Printing and publishing	10.76	10.77	10.79	10.75	10.91	10.69	10.67	10.84	10.89	10.76	10.84	10.72	10.46
Chemicals and allied products	11.69	11.65	11.56	11.53	11.66	11.71	11.55	11.49	11.60	11.75	11.87	11.93	12.00
Rubber and misc. plastics products	8.94	8.80	8.83	8.98	8.84	9.06	9.14	9.07	9.02	8.76	8.89	8.94	8.97
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.97	13.62	13.65	13.67	13.80	13.77	13.94	14.13	14.21	14.27	14.14	14.23	14.18
WHOLESALE TRADE	10.12	9.91	10.00	9.97	10.07	10.08	10.18	10.17	10.05	10.21	10.26	10.30	10.28
RETAIL TRADE[d]	6.46	6.35	6.49	6.42	6.40	6.40	6.49	6.46	6.50	6.60	6.53	6.43	6.47
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.58	10.37	10.37	10.30	10.32	10.49	10.54	10.66	10.69	10.76	10.83	10.84	10.83

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-4 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.9	43.1	42.3	42.9	42.7	42.7	42.9	41.8	42.4	42.5	43.3	43.8	44.0
Durable Goods[b]	43.6	44.0	43.0	43.5	43.3	43.0	43.6	42.2	43.0	43.1	44.2	44.9	45.0
Primary metal industries	45.9	47.2	45.9	45.8	46.3	45.3	45.6	43.9	45.5	45.5	46.1	47.0	46.3
Iron and steel foundries	49.4	52.4	50.4	49.8	51.5	50.1	51.2	42.9	50.3	50.8	47.9	50.0	45.6
Fabricated metal products	43.8	44.8	43.5	44.7	43.9	43.8	44.1	41.1	42.8	42.8	43.8	44.5	46.0
Fabricated structural metal products	41.1	38.9	40.0	41.4	42.9	41.9	42.5	40.2	40.5	40.8	39.7	42.3	41.7
Screw machine products, bolts, etc.	44.8	43.7	42.8	44.5	43.4	44.1	44.7	41.9	44.1	44.0	46.4	48.5	49.3
Metal forgings and stampings	45.9	48.5	46.5	47.4	46.4	46.0	46.8	41.3	44.1	44.0	45.7	45.5	48.5
Machinery, except electrical	42.5	42.8	41.2	42.9	42.2	41.5	42.6	42.8	41.6	41.3	43.4	44.3	43.5
Construction and related machinery	45.0	44.1	41.8	43.3	44.4	46.0	46.1	43.8	44.5	43.3	46.7	47.5	48.8
Metalworking machinery	40.8	41.3	39.9	40.4	39.9	40.2	41.1	40.7	40.7	41.1	41.5	41.8	41.4
Special industry machinery	39.1	40.7	38.5	40.7	39.3	38.2	38.5	37.8	37.6	37.1	40.6	40.2	40.0
General industrial machinery	43.8	44.0	42.0	43.6	43.8	43.5	43.3	44.4	41.8	43.6	44.5	45.7	45.3
Electric and electronic equipment	41.3	41.1	40.6	40.5	40.4	40.7	40.6	40.3	41.4	41.6	42.7	42.6	43.6
Electrical industrial apparatus	42.4	41.7	41.2	40.8	41.5	42.0	42.1	40.8	44.7	44.0	44.5	43.7	42.3
Transportation equipment	45.5	45.6	46.0	44.6	44.2	44.9	45.3	44.0	45.6	45.5	47.1	47.0	46.5
Motor vehicles and equipment	45.5	45.7	46.0	44.2	43.9	45.2	45.0	43.2	45.6	45.6	47.8	47.5	46.6
Instruments and related products	41.5	42.5	41.1	41.5	40.5	40.4	41.7	40.3	40.8	41.8	41.6	41.9	43.5
Measuring and controlling devices	40.8	41.6	39.9	42.3	40.2	39.7	40.8	39.9	39.6	40.7	40.4	40.0	44.1
Nondurable Goods[c]	41.2	40.9	40.6	41.4	41.5	42.1	41.3	40.8	41.0	41.0	41.3	41.4	41.6
Food and kindred products	42.6	42.7	42.5	42.6	43.7	43.1	42.0	43.2	43.0	43.1	41.8	40.8	42.4
Apparel and other textile products	39.0	38.7	39.0	40.3	39.6	39.3	38.6	38.5	38.3	38.2	38.8	38.7	39.8
Paper and allied products	43.0	43.8	42.6	42.1	42.2	45.5	44.9	42.8	41.9	43.9	42.1	42.0	43.1
Printing and publishing	38.7	37.9	37.6	38.9	38.8	38.5	38.2	38.1	39.0	38.7	39.9	40.1	38.7
Chemicals and allied products	42.8	42.2	42.1	42.3	43.5	43.7	42.9	42.7	43.0	42.2	42.9	42.5	43.6
Rubber and misc. plastics products	42.6	42.6	42.0	43.6	43.0	45.0	42.5	41.0	41.8	41.9	42.2	43.0	43.0
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.3	40.5	40.2	40.4	41.9	41.3	42.0	42.3	41.8	41.8	41.4	41.4	41.2
WHOLESALE TRADE	39.4	39.5	39.1	38.9	39.0	39.5	39.8	39.9	39.3	39.1	39.5	39.1	39.5
RETAIL TRADE	28.2	27.6	27.3	27.8	28.2	28.2	28.6	29.3	29.2	28.9	28.4	27.1	28.3
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	32.2	32.3	32.3	32.4	32.7	32.5	32.5	32.6	32.4	32.0	31.7	31.5	31.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-3-4 (1987)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$496.35	$503.84	$493.64	$498.07	$494.89	$493.19	$494.21	$476.52	$486.75	$487.05	$501.85	$510.71	$513.04
Durable Goods[b]	530.61	542.96	529.76	532.88	528.26	522.45	527.56	504.29	517.72	517.63	538.36	549.58	550.80
Primary metal industries	612.77	662.22	639.85	632.96	639.40	611.10	609.22	570.70	594.23	599.24	592.39	605.83	588.94
Iron and steel foundries	835.35	900.23	856.80	838.63	873.44	843.68	858.11	688.97	848.06	869.70	816.22	862.00	767.45
Fabricated metal products	528.67	547.90	527.66	542.21	529.00	529.54	530.52	474.29	509.32	507.18	536.99	543.79	569.48
Fabricated structural metal products	394.56	362.16	370.00	388.33	401.54	397.63	409.28	378.68	396.90	404.74	384.69	423.00	409.49
Screw machine products, bolts, etc.	482.50	462.78	457.10	481.05	468.72	475.40	470.24	439.95	465.70	469.48	508.08	535.93	555.12
Metal forgings and stampings	671.06	727.02	685.88	697.73	678.83	674.36	683.28	567.88	627.54	625.24	681.39	672.04	724.59
Machinery, except electrical	483.23	483.21	459.79	488.63	481.08	464.80	483.51	493.06	471.33	456.37	497.80	519.20	501.56
Construction and related machinery	409.05	407.04	377.04	386.67	396.49	416.30	420.89	386.32	401.84	389.70	423.57	440.33	461.65
Metalworking machinery	424.73	423.74	407.78	412.48	411.77	414.46	424.15	421.25	422.06	428.67	441.98	447.68	444.64
Special industry machinery	473.11	484.74	461.23	484.33	467.67	458.02	460.08	454.73	455.34	451.88	504.25	497.27	498.80
General industrial machinery	492.31	490.16	455.28	487.01	491.00	490.25	487.99	494.62	472.34	490.94	504.19	525.55	515.97
Electric and electronic equipment	440.26	435.25	432.80	428.90	427.43	436.30	428.33	432.42	446.29	448.45	455.61	453.69	462.60
Electrical industrial apparatus	481.66	458.28	458.56	450.02	469.78	480.48	481.20	461.45	516.29	505.56	516.65	510.85	477.99
Transportation equipment	687.05	689.93	701.50	667.22	654.60	669.91	671.35	649.88	680.35	682.05	723.93	732.73	722.61
Motor vehicles and equipment	729.82	722.52	735.08	690.40	678.26	709.64	704.70	679.97	730.51	732.34	789.18	800.85	786.61
Instruments and related products	398.82	406.30	394.15	395.08	383.13	386.22	399.90	382.04	389.64	404.21	402.69	409.78	430.65
Measuring and controlling devices	405.96	409.76	395.81	417.92	391.15	392.24	405.14	393.81	391.64	404.15	404.81	406.00	453.79
Nondurable Goods[c]	415.30	410.23	406.81	414.83	417.08	424.37	415.48	411.26	414.92	413.69	417.96	419.38	421.41
Food and kindred products	382.12	397.11	388.88	388.09	398.98	386.61	369.18	378.00	381.84	388.33	367.84	359.86	378.21
Apparel and other textile products	316.29	310.37	314.73	322.00	313.63	313.22	307.26	310.70	309.08	312.09	323.59	326.63	331.14
Paper and allied products	476.87	466.55	465.19	458.89	459.98	505.96	503.78	474.22	466.35	493.88	470.68	472.92	487.03
Printing and publishing	416.41	408.18	405.70	418.18	423.31	411.57	407.59	413.00	424.71	416.41	432.52	429.87	404.80
Chemicals and allied products	500.33	491.63	486.68	487.72	507.21	511.73	495.50	490.62	498.80	495.85	509.22	507.03	523.20
Rubber and misc. plastics products	380.84	374.88	370.86	391.53	380.12	407.70	388.45	371.87	377.04	367.04	375.16	384.42	385.71
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	576.96	551.61	548.73	552.27	578.22	568.70	585.48	597.70	593.98	596.49	585.40	589.12	584.22
WHOLESALE TRADE	398.73	391.45	391.00	387.83	392.73	398.16	405.16	405.78	394.97	399.21	405.27	402.73	406.06
RETAIL TRADE[d]	182.17	175.26	177.18	178.48	180.48	180.48	185.61	189.28	189.80	190.74	185.45	174.25	183.10
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	295.79	300.30	287.97	292.56	296.43	297.66	296.37	296.83	300.02	289.87	296.79	295.31	299.30
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	340.68	334.95	334.95	333.72	337.46	340.93	342.55	347.52	346.36	344.32	343.31	341.46	341.15

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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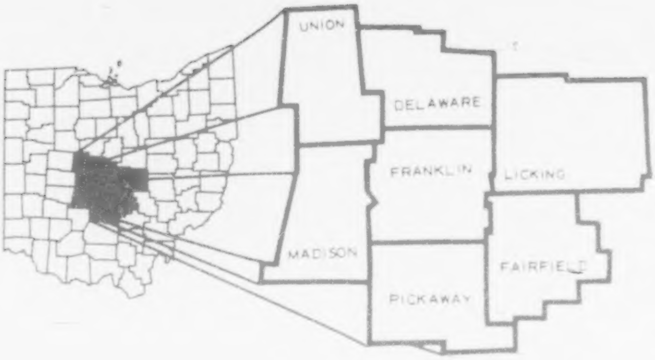
COLUMBUS
METROPOLITAN STATISTICAL AREA

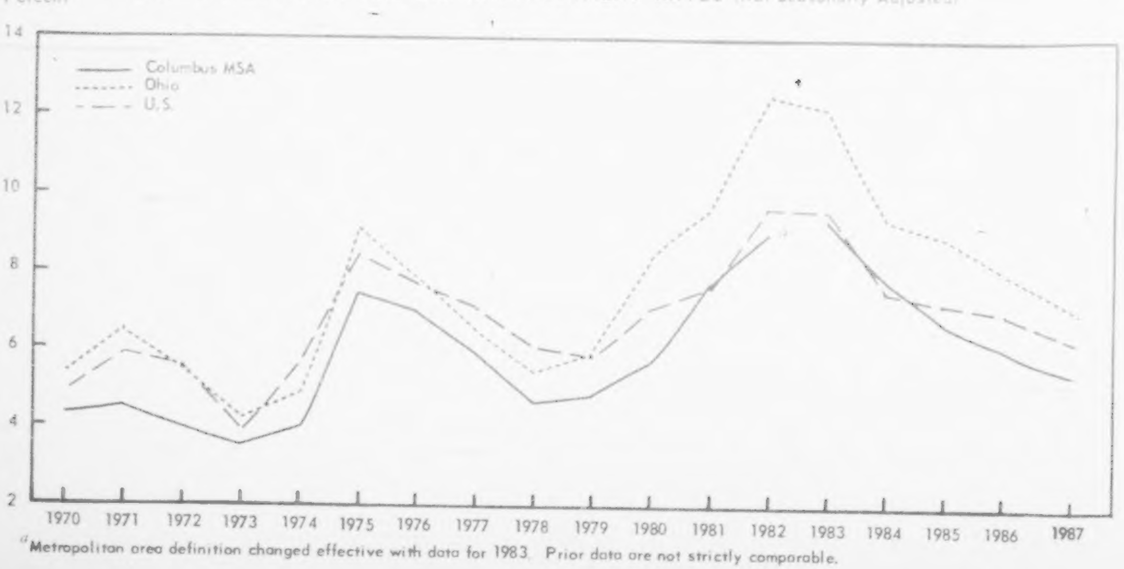


Based on place of residence, the estimated annual average civilian labor force in the Columbus metropolitan area gained 18,200 jobs, from 676,200 in 1986 to 694,400 in 1987. Total employment advanced 22,000 from the 1986 level, to 656,900, while the number of unemployed declined 3,800 over the year, to 37,500. The unemployment rate dropped from 6.1 percent in 1986, to 5.4 percent in 1987. (See table, page 75, top.)

Total nonfarm employment rose 4.3 percent over the 1986 level, to 657,700 in 1987. Nonmanufacturing employment advanced 29,700 over the year. Growth in services and retail trade contributed 57.9 percent of the gain, although increases were recorded in all nonmanufacturing sectors. Manufacturing employment was 2,700 lower than in 1986. Nondurable-goods industries showed modest improvements, but significant reductions were registered in transportation equipment and stone, clay, and glass products.

Nonagricultural wage and salary employment in the Columbus area increased 109,200 since the 1979-1983 recessionary period. Expansion in the nonmanufacturing sector created 104,800 jobs. Major improvements were in services (+35,300) and retail trade (+30,400). Manufacturing recovered 23.0 percent of jobs lost, but remained 14,700 below the 1979 level. Although gains realized in 1986 in electric and electronic equipment and fabricated metal products were negated in 1987, growth in other durable-goods industries and printing and publishing increased manufacturing employment 4,400 during the post-recessionary period. (See table, page 75, bottom.)

COLUMBUS MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



[a] Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

COLUMBUS MSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b] MSA	Unemployment Rate[b] Ohio	Unemployment Rate[b] U.S.		Nonagricultural Wage And Salary Employment	Manufacturing	Nonmfg.
469.1	450.2	18.9	4.0	5.5	5.6	1972	472.8	115.0	357.9
485.5	468.3	17.1	3.5	4.3	4.9	1973	493.9	120.7	373.2
495.4	475.5	19.9	4.0	4.8	5.6	1974	501.8	119.4	382.4
495.0	458.6	36.5	7.4	9.1	8.5	1975	488.2	106.6	381.5
503.6	468.5	35.1	7.0	7.8	7.7	1976	500.0	108.1	392.0
513.4	483.3	30.1	5.9	6.5	7.1	1977	517.6	113.6	403.9
531.4	506.5	24.9	4.7	5.4	6.1	1978	543.2	117.0	426.2
543.0	517.1	25.8	4.8	5.9	5.8	1979	558.5	117.8	440.6
554.7	523.4	31.4	5.7	8.4	7.1	1980	560.2	112.6	447.7
562.4	519.1	43.3	7.7	9.6	7.6	1981	556.9	109.1	447.8
567.4	516.4	51.0	9.0	12.5	9.7	1982	544.0	101.0	443.0
647.7[c]	587.4[c]	60.3[c]	9.3[c]	12.2	9.6	1983	548.5	98.7	449.7
633.5	584.3	49.2	7.8	9.4	7.5	1984	576.4	104.7	471.6
649.4	605.6	43.8	6.7	8.9	7.2	1985	603.6	106.1	497.5
676.2	634.9	41.3	6.1	8.1	7.0	1986	630.7	105.8	525.0
694.4	656.9	37.5	5.4	7.0	6.2	1987	657.7	103.1	554.7

[a] Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.

[b] Unemployment as percentage of Civilian Labor Force.

[c] Data not comparable to previous years due to change in metropolitan area definition.

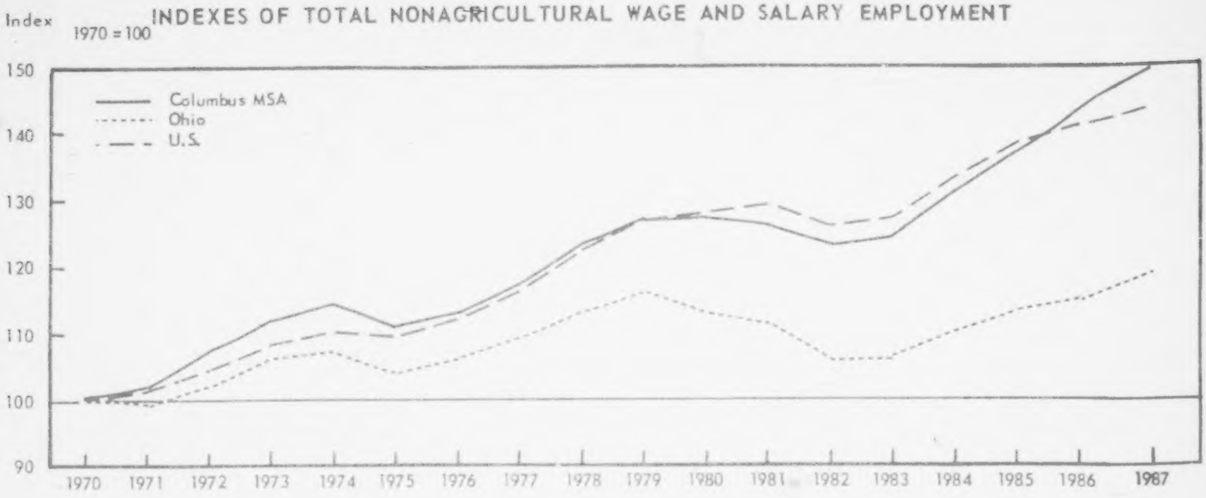
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE COLUMBUS METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

Industry	Employment (in thousands) 1979	1983	1987	Employment Changes 1979-1983	1983-1987	Percent Recovery MSA	Ohio
TOTAL	558.5	548.5	657.7	-10.0	109.2	1092.0	124.0
MANUFACTURING	117.8	98.7	103.1	-19.1	4.4	23.0	9.3
Durable Goods	79.1	63.5	66.0	-15.6	2.5	16.0	5.0
Fabricated Metal Products	13.0	9.9	9.4	-3.1	- .5	-	8.1
Machinery, Except Electrical	13.2	9.5	9.1	-3.7	- .4	-	.1
Electric and Electronic Equipment	15.5	11.1	10.9	-4.4	- .2	-	-
Nondurable Goods	38.7	35.2	37.1	-3.5	1.9	54.3	27.8
Food and Kindred Products	11.0	10.3	10.2	- .7	- .1	-	-
Printing and Publishing	8.9	8.9	10.1	.0	1.2	+	154.2
CONSTRUCTION	23.0	16.8	27.1	-6.2	10.3	166.1	88.7
TRANSPORTATION AND PUBLIC UTILITIES	27.3	24.7	27.9	-2.6	3.2	123.1	25.0
Communication, Electric, Gas Services	11.7	11.7	11.7	.0	.0	+	+ -
WHOLESALE TRADE	28.8	29.0	33.9	.2	4.9	+	254.4
RETAIL TRADE	101.4	102.9	133.3	1.5	30.4	+	435.4
FINANCE, INSURANCE, AND REAL ESTATE	38.3	45.0	57.2	6.7	12.2	+	+
Insurance Carriers	16.9	18.8	22.7	1.9	3.9	+	+
SERVICES	108.7	119.6	154.9	10.9	35.3	+	+
GOVERNMENT	111.9	110.5	119.4	-1.4	8.9	635.7	178.8
Federal Government	14.6	14.3	15.7	- .3	1.4	466.7	315.0
State Government	48.8	48.8	52.7	.0	3.9	+	+
Local Government	48.5	47.4	51.0	-1.1	3.6	327.3	73.9

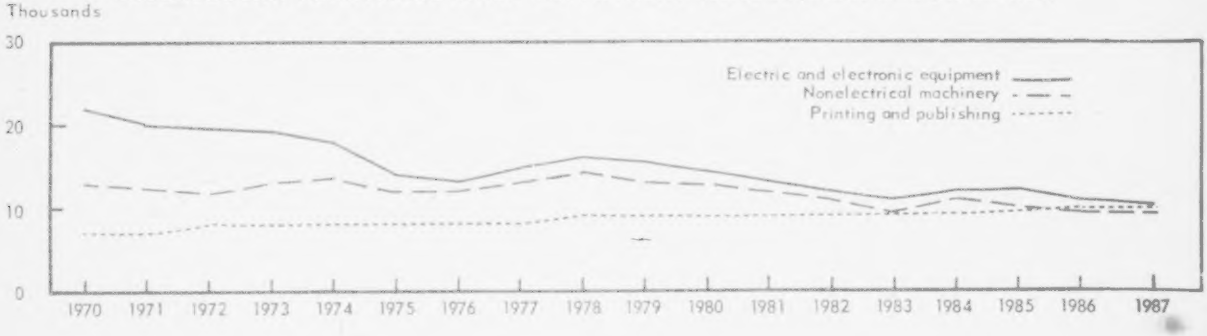
+ No downturn, 1979-1983.

- No upturn, 1983-1987.

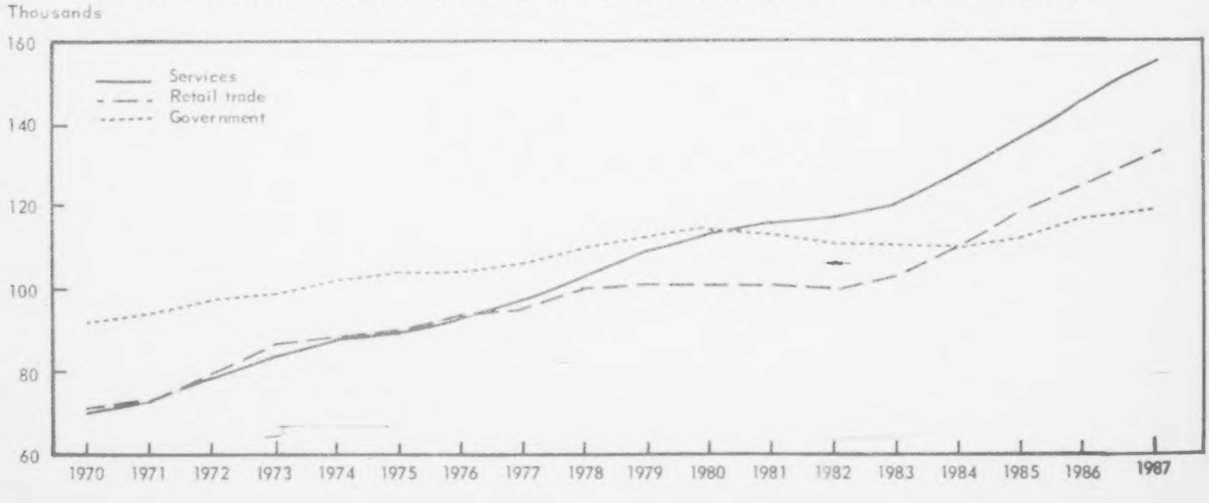
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



COLUMBUS MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



COLUMBUS MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	657.7	642.1	641.9	647.1	650.6	657.2	660.2	652.9	657.4	662.8	670.3	674.2	676.4
MANUFACTURING	103.1	104.0	103.2	103.4	103.3	103.4	103.2	102.5	102.9	102.8	102.9	102.7	102.3
Durable Goods[b]	66.0	67.6	66.9	66.9	66.9	66.7	66.3	65.2	65.5	65.3	65.1	64.9	64.5
Stone, clay, and glass products	10.5	10.6	10.5	10.6	10.8	10.8	10.7	10.0	10.4	10.4	10.3	10.5	10.3
Glass and glassware, pressed or blown.	4.0	4.2	4.2	4.3	4.2	4.2	4.2	3.5	4.0	3.9	3.9	3.9	3.8
Fabricated metal products	9.4	9.4	9.4	9.5	9.4	9.4	9.3	9.2	9.2	9.3	9.4	9.5	9.5
Fabricated structural metal products..	2.9	2.7	2.7	2.8	2.8	2.8	2.9	2.9	3.0	2.9	3.0	2.9	2.8
Machinery, except electrical	9.1	9.1	9.1	9.1	9.1	9.1	9.0	9.0	9.1	9.2	9.2	9.2	9.2
Electric and electronic equipment	10.9	11.0	11.0	11.0	10.7	10.9	10.9	10.9	10.8	10.9	10.9	10.9	11.0
Transportation equipment	14.4	16.0	15.4	15.1	15.3	14.9	14.5	14.4	14.2	13.7	13.3	12.8	12.6
Instruments and related products	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.1
Nondurable Goods[c]	37.1	36.4	36.3	36.5	36.4	36.7	36.9	37.3	37.4	37.5	37.8	37.7	37.9
Food and kindred products	10.2	9.8	9.9	10.0	9.9	10.1	10.3	10.4	10.5	10.5	10.5	10.4	10.5
Printing and publishing	10.1	10.0	10.0	10.0	10.1	10.1	10.0	10.1	10.2	10.1	10.3	10.4	10.4
Chemicals and allied products	6.8	6.8	6.7	6.7	6.7	6.8	6.8	7.0	6.9	6.8	6.8	6.7	6.7
Rubber and misc. plastics products	5.2	5.2	5.2	5.2	5.1	5.2	5.1	5.1	5.1	5.3	5.4	5.4	5.4
NONMANUFACTURING[d]	554.7	538.1	538.6	543.7	547.2	553.8	557.1	550.4	554.5	559.9	567.3	571.6	574.0
CONSTRUCTION	27.1	23.1	23.0	23.9	25.1	26.8	28.0	29.3	29.7	29.5	29.8	29.2	28.2
TRANSPORTATION AND PUBLIC UTILITIES	27.9	27.3	27.2	27.4	27.3	27.7	27.8	27.9	28.2	28.5	28.5	28.7	28.8
Trucking and warehousing	11.6	11.3	11.3	11.4	11.1	11.3	11.5	11.6	11.8	11.9	11.9	12.1	12.3
Communication, electric, gas services ..	11.7	11.6	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
WHOLESALE TRADE	33.9	32.8	33.0	33.2	33.2	33.8	33.9	34.1	34.2	34.3	34.6	34.7	34.8
Wholesale trade-durable goods	21.9	21.2	21.4	21.4	21.5	21.8	21.9	22.1	22.1	22.2	22.4	22.5	22.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	133.3	129.1	128.2	129.4	130.3	132.4	132.2	132.3	133.8	135.4	136.3	139.0	141.1
General merchandise stores	21.9	20.8	20.2	20.3	20.9	21.2	20.9	21.2	21.8	22.4	23.3	24.3	25.3
FINANCE, INSURANCE, AND REAL ESTATE	57.2	55.7	56.1	56.2	56.2	56.4	57.1	57.8	58.0	58.0	57.9	58.2	58.3
Banking	11.6	11.4	11.3	11.4	11.4	11.4	11.5	11.7	11.7	11.7	11.8	11.8	11.9
Insurance carriers	22.7	22.3	22.5	22.6	22.4	22.5	22.6	22.8	22.8	22.9	22.9	23.0	23.0
SERVICES	154.9	148.8	150.1	151.9	153.1	154.6	155.2	155.9	156.6	157.9	158.4	158.7	158.3
Business services	35.1	33.9	34.1	34.3	34.0	34.1	34.5	35.1	35.5	35.7	36.3	36.5	36.7
Health services	39.5	38.4	38.6	39.0	39.0	39.1	39.5	40.0	40.0	40.1	40.2	40.4	40.3
Hospitals	17.5	17.0	17.1	17.2	17.3	17.3	17.5	17.8	17.8	17.8	17.8	17.8	17.8
GOVERNMENT	119.4	120.4	120.2	120.9	121.1	121.2	122.0	112.2	113.1	115.4	120.8	122.1	123.5
Federal government	15.7	15.7	15.6	15.6	15.7	15.7	15.8	15.9	15.8	15.6	15.5	15.6	15.7
State government	52.7	53.6	53.4	53.8	53.9	53.9	54.4	48.8	49.1	48.4	53.7	54.3	55.5
State government education[f]	22.2	23.3	23.4	23.5	23.5	23.5	23.8	18.1	17.9	17.7	23.3	23.9	24.9
State government, except education ...	30.5	30.3	30.0	30.3	30.5	30.4	30.6	30.7	31.1	30.6	30.4	30.4	30.6
Local government	51.0	51.2	51.2	51.5	51.4	51.6	51.8	47.6	48.2	51.4	51.6	52.2	52.4
Local government education	30.3	30.9	30.9	31.2	30.9	31.1	30.7	26.3	27.3	30.4	31.1	31.7	31.6
Local government, except education ...	20.6	20.3	20.3	20.3	20.5	20.5	21.1	21.2	21.0	20.9	20.5	20.5	20.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes. [f] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	630.7	609.4	610.0	613.9	624.7	630.8	634.4	627.4	631.3	639.7	645.7	649.1	652.3
MANUFACTURING	105.8	106.0	105.9	106.2	106.6	106.3	106.3	106.1	105.5	106.1	104.7	104.9	104.7
Durable Goods[b]	69.4	69.9	69.8	70.1	70.4	70.1	69.9	69.6	68.9	69.5	68.1	68.2	68.0
Stone, clay, and glass products	11.5	11.4	11.5	11.6	11.7	11.8	11.8	12.0	11.6	11.8	11.2	11.0	11.0
Glass and glassware, pressed or blown	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.3	4.5	4.0[e]	4.3	4.5
Fabricated metal products	10.0	10.6	10.6	10.5	10.5	10.2	9.8	9.6	9.7	9.9	9.8	9.7	9.6
Fabricated structural metal products	2.9	3.0	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.8
Machinery, except electrical	9.4	9.9	9.7	9.7	9.7	9.6	9.5	9.5	9.3	9.1	8.5[e]	9.1	9.0
Electric and electronic equipment	11.3	11.6	11.5	11.6	11.6	11.4	11.4	11.2	11.2	11.2	11.1	11.0	11.0
Transportation equipment	15.8	15.4	15.5	15.7	15.7	15.9	16.0	16.1	15.9	16.2	15.9	15.9	15.8
Instruments and related products	4.1	4.2	4.3	4.2	4.2	4.2	4.1	4.2	4.1	4.1	4.0	4.0	4.1
Nondurable Goods[c]	36.4	36.1	36.1	36.1	36.3	36.3	36.5	36.5	36.5	36.6	36.5	36.7	36.7
Food and kindred products	9.9	9.7	9.7	9.8	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9
Printing and publishing	9.7	9.6	9.5	9.5	9.6	9.6	9.7	9.6	9.8	9.8	9.9	10.1	10.1
Chemicals and allied products	7.0	7.0	7.0	7.0	7.1	6.9	7.0	7.1	7.1	7.0	6.8	6.8	6.7
Rubber and misc. plastics products	5.3	5.4	5.4	5.4	5.3	5.4	5.4	5.3	5.1	5.2	5.3	5.3	5.3
NONMANUFACTURING[d]	525.0	503.3	504.2	507.8	518.0	524.5	528.1	521.3	525.9	533.6	541.0	544.2	547.6
CONSTRUCTION	24.0	20.2	19.9	20.5	22.8	24.0	24.8	25.8	26.4	26.6	26.7	25.9	24.9
TRANSPORTATION AND PUBLIC UTILITIES	26.6	25.4	25.1	25.5	26.5	26.4	26.1	26.9	27.1	27.3	27.4	27.7	28.0
Trucking and warehousing	10.7	10.0	9.8	10.1	10.5	10.4	10.6	10.8	10.9	11.0	11.2	11.4	11.8
Communication, electric, gas services	11.5	11.4	11.4	11.4	11.5	11.5	11.0[e]	11.6	11.7	11.6	11.6	11.6	11.7
WHOLESALE TRADE	32.3	31.4	31.4	31.6	32.0	32.2	32.3	32.6	32.6	32.7	32.7	32.9	33.2
Wholesale trade-durable goods	21.0	20.5	20.5	20.5	20.9	21.0	21.1	21.4	21.3	21.4	21.2	21.3	21.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	125.1	120.4	119.3	119.6	121.7	123.4	123.9	124.2	126.3	128.1	129.6	131.3	133.7
General merchandise stores	18.3	17.5	16.8	16.6	16.7	16.9	17.0	17.2	18.3	19.3	20.2	20.5	22.0
FINANCE, INSURANCE, AND REAL ESTATE	53.7	51.2	51.6	51.8	52.6	53.1	54.0	54.7	54.8	54.8	55.0	55.2	55.5
Banking	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.3	11.3	11.4	11.2	11.2	11.3
Insurance carriers	21.3	20.5	20.7	20.8	20.9	21.0	21.2	21.4	21.5	21.7	21.7	21.9	22.1
SERVICES	145.9	137.0	138.5	140.0	143.5	146.1	146.8	148.1	148.5	150.1	150.3	150.9	150.8
Business services	32.5	29.3	29.3	29.8	31.2	32.2	32.5	33.2	33.4	33.5	34.8	35.3	35.5
Health services	37.9	37.0	37.2	37.5	37.6	37.8	38.2	38.0	38.1	38.2	38.2	38.3	38.3
Hospitals	16.6	16.2	16.3	16.4	16.4	16.4	16.6	16.7	16.8	16.8	16.8	16.8	16.8
GOVERNMENT	116.4	116.7	117.3	117.8	118.0	118.4	119.3	108.3	109.3	113.2	118.6	119.4	120.5
Federal government	15.6	15.5	15.5	15.6	15.6	15.6	15.7	15.7	15.6	15.6	15.5	15.7	16.0
State government	51.0	51.3	51.5	51.7	52.1	52.1	53.0	46.8	48.0	47.4	52.3	52.6	53.6
State government education[f]	21.6	22.7	22.7	22.8	22.8	22.7	23.0	17.0	17.6	17.8	22.8	23.0	23.8
State government, except education ...	29.5	28.6	28.8	28.9	29.4	29.4	29.9	29.9	30.4	29.7	29.6	29.6	29.7
Local government	49.7	50.0	50.3	50.5	50.3	50.7	50.7	45.8	45.7	50.2	50.7	51.2	51.0
Local government education	29.2	29.8	30.1	30.3	30.2	30.3	29.6	24.4	24.7	29.5	30.4	30.8	30.7
Local government, except education ...	20.5	20.2	20.2	20.2	20.2	20.4	21.1	21.3	20.9	20.7	20.4	20.4	20.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes. [f] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.

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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.41	$11.46	$11.34	$11.45	$11.35	$11.40	$11.40	$11.48	$11.38	$11.46	$11.44	$11.46	$11.35
Durable Goods[b]	11.65	11.71	11.58	11.72	11.59	11.64	11.63	11.74	11.63	11.68	11.69	11.67	11.51
Stone, clay, and glass products	11.62	11.75	11.48	11.60	11.41	11.60	11.66	11.86	11.63	11.77	11.54	11.49	11.70
Glass and glassware, pressed or blown	10.76	10.89	10.60	10.37	10.51	10.56	10.65	11.17	10.74	11.08	10.89	10.77	11.07
Fabricated metal products	12.24	12.09	12.04	12.23	12.34	12.24	12.22	12.30	12.17	12.21	12.32	12.44	12.31
Fabricated structural metal products	10.87	10.65	10.66	10.71	11.09	11.06	10.93	11.20	10.72	10.61	10.79	11.05	10.99
Machinery, except electrical	10.71	10.79	10.91	10.93	10.53	10.74	10.82	10.78	10.62	10.68	10.60	10.58	10.57
Electric and electronic equipment	11.23	11.17	11.06	11.07	11.29	11.41	11.37	11.26	11.23	11.31	11.39	11.22	11.02
Transportation equipment	13.46	13.33	13.09	13.43	13.12	13.24	13.21	13.52	13.70	13.71	14.01	13.93	13.43
Instruments and related products	10.32	10.19	10.29	10.37	10.36	10.31	10.40	10.46	10.18	10.30	10.45	10.29	10.25
Nondurable Goods[c]	10.94	10.93	10.83	10.89	10.87	10.93	10.94	10.97	10.89	11.04	10.95	11.04	11.03
Food and kindred products	10.86	10.65	10.71	10.75	10.84	10.90	10.90	11.06	10.88	10.77	10.95	10.92	10.90
Printing and publishing	13.17	13.00	12.88	12.91	12.95	13.09	13.15	13.06	13.22	13.46	13.42	13.44	13.43
Chemicals and allied products	12.77	12.80	12.73	12.77	12.77	12.76	12.64	12.63	12.51	13.06	12.83	12.90	12.88
Rubber and misc. plastics products	8.32	8.38	8.32	8.35	8.28	8.23	8.32	8.28	8.19	8.40	8.34	8.43	8.36
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.78	13.49	13.49	13.51	13.69	13.56	13.76	13.88	14.03	14.02	13.92	13.98	14.06
WHOLESALE TRADE	9.12	9.01	8.93	9.01	9.04	8.99	9.12	9.10	9.13	9.23	9.31	9.32	9.17
RETAIL TRADE[d]	6.10	5.87	5.93	5.99	6.01	6.03	6.13	6.12	6.11	6.14	6.16	6.19	6.46
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	9.62	9.49	9.49	9.50	9.58	9.64	9.60	9.63	9.64	9.60	9.69	9.79	9.79

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	41.5	41.2	40.9	41.7	41.1	41.6	41.5	41.3	41.1	41.7	42.3	42.3	41.9
Durable Goods[b]	41.6	41.2	41.0	41.8	41.2	41.7	41.5	41.4	41.1	41.7	42.7	42.4	41.8
Stone, clay, and glass products	40.7	38.7	38.6	41.0	41.3	41.7	40.9	40.9	39.9	42.1	41.4	41.4	40.5
Glass and glassware, pressed or blown	39.0	38.5	38.8	38.7	39.1	37.7	38.3	39.3	38.4	41.4	39.7	40.2	38.7
Fabricated metal products	41.2	41.2	40.9	40.5	40.3	40.8	41.0	41.0	40.7	41.2	42.4	42.9	42.0
Fabricated structural metal products	42.3	42.3	41.4	42.0	41.4	42.0	42.5	42.3	40.7	41.2	43.2	44.7	44.0
Machinery, except electrical	42.0	42.5	42.0	42.0	39.9	42.4	43.1	41.9	41.2	42.2	41.3	42.1	43.1
Electric and electronic equipment	40.4	40.4	39.6	39.9	40.8	41.6	40.3	40.0	40.2	40.1	40.8	40.6	40.3
Transportation equipment	44.0	43.4	43.0	45.0	43.1	43.0	42.9	43.5	43.7	43.4	46.8	46.7	43.9
Instruments and related products	41.4	42.0	41.2	41.9	41.6	42.2	41.8	41.9	41.3	42.0	40.5	40.2	40.0
Nondurable Goods[c]	41.4	41.0	40.7	41.3	40.9	41.5	41.5	41.1	41.1	41.7	41.5	42.0	42.1
Food and kindred products	41.7	41.2	40.9	41.1	41.5	42.8	43.1	42.6	42.3	40.9	40.0	41.5	42.0
Printing and publishing	39.4	39.3	37.8	38.4	38.2	38.7	39.2	39.4	39.6	40.9	40.1	40.3	41.4
Chemicals and allied products	41.8	43.1	42.6	42.0	41.2	41.5	40.3	40.2	40.2	42.1	42.4	43.5	43.1
Rubber and misc. plastics products	42.3	40.4	41.9	43.3	43.3	42.8	42.0	41.1	41.2	43.3	43.6	42.8	42.2
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.0	40.5	40.2	40.2	41.7	40.7	41.4	41.8	41.1	41.7	40.9	40.6	41.4
WHOLESALE TRADE	38.2	38.4	38.1	38.4	38.1	38.1	38.0	38.5	38.8	38.5	38.3	37.8	37.8
RETAIL TRADE	28.5	28.1	28.0	28.0	28.1	28.9	28.5	28.6	28.4	28.3	28.7	28.4	29.9
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.1	33.9	33.8	33.8	33.7	33.7	33.6	34.2	34.4	34.7	34.9	34.3	34.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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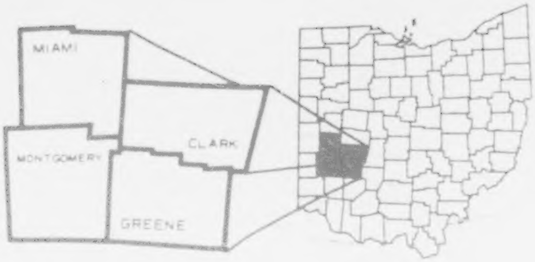
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$473.52	$472.15	$463.81	$477.47	$466.49	$474.24	$473.10	$474.12	$467.72	$477.88	$483.91	$484.76	$475.57
Durable Goods[b]	484.64	482.45	474.78	489.90	477.51	485.39	482.65	486.04	477.99	487.06	499.16	494.81	481.12
Stone, clay, and glass products	472.93	454.73	443.13	475.60	471.23	483.72	476.89	485.07	464.04	495.52	477.76	475.69	473.85
Glass and glassware, pressed or blown	419.64	419.27	411.28	401.32	410.94	398.11	407.90	438.98	412.42	458.71	432.33	432.95	428.41
Fabricated metal products	504.29	498.11	492.44	495.32	497.30	499.39	501.02	504.30	495.32	503.05	522.37	533.68	517.02
Fabricated structural metal products	459.80	450.50	441.32	449.82	459.13	464.52	464.53	473.76	436.30	437.13	466.13	493.94	483.56
Machinery, except electrical	449.82	458.58	458.22	459.06	420.15	455.38	466.34	451.68	437.54	450.70	437.78	445.42	455.57
Electric and electronic equipment	453.69	451.27	437.98	441.69	460.63	474.66	458.21	450.40	451.45	453.53	464.71	455.53	444.11
Transportation equipment	592.24	578.52	562.87	604.35	565.47	569.32	566.71	588.12	598.69	595.01	655.67	650.53	589.58
Instruments and related products	427.25	427.98	423.95	434.50	430.98	435.08	434.72	438.27	420.43	432.60	423.23	413.66	410.00
Nondurable Goods[c]	452.92	448.13	440.78	449.76	444.58	453.60	454.01	450.87	447.58	460.37	454.43	463.68	464.36
Food and kindred products	452.86	438.78	438.04	441.83	449.86	466.52	469.79	471.16	460.22	440.49	438.00	453.18	457.80
Printing and publishing	518.90	510.90	486.86	495.74	494.69	506.58	515.48	514.56	523.51	550.51	538.14	541.63	556.00
Chemicals and allied products	533.79	551.68	542.30	536.34	526.12	529.54	509.39	507.73	502.90	549.83	543.99	561.15	555.13
Rubber and misc. plastics products	351.94	338.55	348.61	361.56	358.52	352.24	349.44	340.31	337.43	363.72	363.62	360.80	352.79
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	564.98	546.35	542.30	543.10	570.87	551.89	569.66	580.18	576.63	584.63	569.33	567.59	582.08
WHOLESALE TRADE	348.38	345.98	340.23	345.98	344.42	342.52	346.56	350.35	354.24	355.36	356.57	352.30	346.63
RETAIL TRADE[d]	173.85	164.95	166.04	167.72	168.88	174.27	174.71	175.03	173.52	173.76	176.79	175.80	193.15
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	258.34	249.72	258.31	255.09	254.74	269.91	258.76	259.28	266.70	257.19	261.84	254.93	253.60
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	328.04	321.71	320.76	321.10	322.85	324.87	322.56	329.35	331.62	333.12	338.18	335.80	337.76

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-2-5 (1987)

DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA

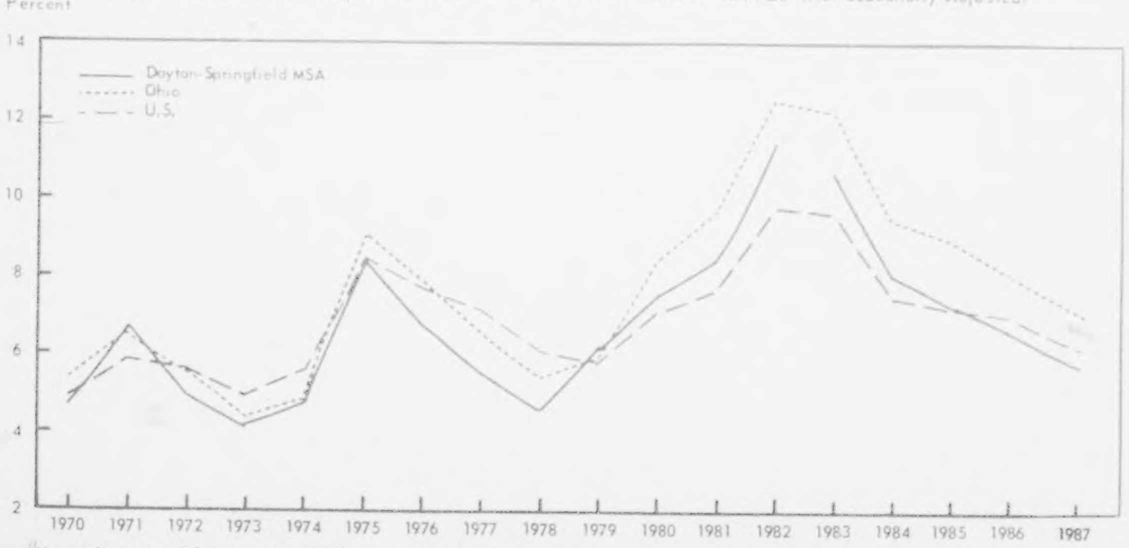


In the Dayton-Springfield metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, increased 1,400 from 1986, to 461,900 in 1987. Total employment gained 5,700 over the year, to 435,800; unemployment was 4,200 lower, at 26,100 in 1987. The unemployment rate fell from 6.6 percent in 1986, to 5.7 percent in 1987. (See table, page 85, top.)

Total nonfarm employment rose 2.0 percent over the year, to 427,900. Growth was concentrated in nonmanufacturing industries, increasing 10,500 over the 1986 level. The majority of the improvement was in services, retail trade, and construction. Losses in durable- and nondurable-goods industries lowered manufacturing employment 1,900. Significant reductions were noted in nonelectrical machinery and transportation equipment.

Since the 1979-1983 recessionary period, Dayton-Springfield nonagricultural wage and salary employment recovered 152.3 percent of jobs lost, a gain of 55,600. Expansion in the nonmanufacturing sector contributed most, especially services (+19,600), retail trade (+15,200), and construction (+5,800). Manufacturing recovered 30.7 percent, but remained 18,700 below the 1979 level. The major portion of the growth during the post-recessionary period was in transportation equipment, electric and electronic equipment, and printing and publishing. (See table, page 85, bottom.)

DAYTON-SPRINGFIELD MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

DAYTON-SPRINGFIELD MSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]				Nonagricultural Wage And Salary Employment	Manufacturing	Nonmfg.
			MSA	Ohio	U.S.				
353.5	336.2	17.3	4.9	5.5	5.6	1972	366.8	129.8	237.0
358.0	343.5	14.5	4.1	4.3	4.9	1973	378.3	133.7	244.6
359.5	342.5	17.0	4.7	4.8	5.6	1974	376.6	128.1	248.5
357.6	327.7	29.9	8.4	9.1	8.5	1975	360.1	112.5	247.5
360.5	336.3	24.2	6.7	7.8	7.7	1976	370.7	116.3	254.4
368.6	348.3	20.3	5.5	6.5	7.1	1977	383.8	121.8	262.0
381.1	363.7	17.3	4.6	5.4	6.1	1978	401.1	125.0	276.2
392.2	367.9	24.2	6.2	5.9	5.8	1979	408.8	122.5	286.3
390.2	361.0	29.2	7.5	8.4	7.1	1980	397.1	110.9	286.2
390.8	357.9	32.8	8.4	9.6	7.6	1981	393.2	109.9	283.3
391.8	347.1	44.7	11.4	12.5	9.7	1982	374.3	97.3	277.0
438.5[c]	391.9[c]	46.6[c]	10.6[c]	12.2	9.6	1983	372.3	95.5	276.8
440.1	404.8	35.2	8.0	9.4	7.5	1984	392.7	103.7	289.0
450.4	418.1	32.4	7.2	8.9	7.2	1985	408.9	106.3	302.5
460.5	430.1	30.3	6.6	8.1	7.0	1986	419.4	105.7	313.7
461.9	435.8	26.1	5.7	7.0	6.2	1987	427.9	103.8	324.2

[a] Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.

[b] Unemployment as percentage of Civilian Labor Force.

[c] Data not comparable to previous years due to change in metropolitan area definition.

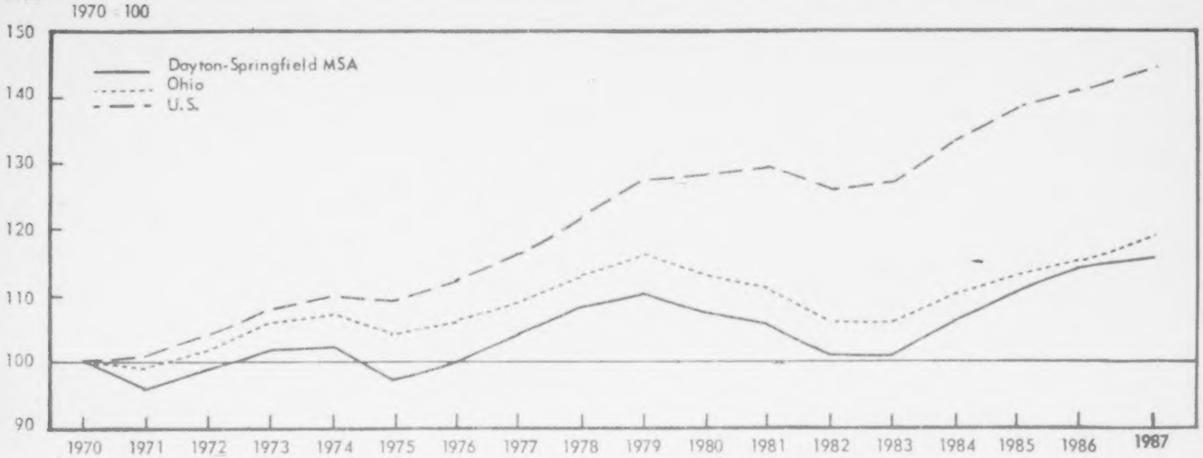
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979,,1983, and 1987

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	MSA	Ohio
TOTAL	408.8	372.3	427.9	-36.5	55.6	152.3	124.0
MANUFACTURING	122.5	95.5	103.8	-27.0	8.3	30.7	9.3
Durable Goods	86.2	68.7	74.8	-17.5	6.1	34.9	5.0
Machinery, Except Electrical	35.9	30.0	30.4	-5.9	.4	6.8	.1
Electric and Electronic Equipment . .	10.5	5.0	5.9	-5.5	.9	16.4	-
Electrical Industrial Apparatus . .	4.7	2.9	3.5	-1.8	.6	33.3	-
Transportation Equipment	20.1	17.7	20.9	-2.4	3.2	133.3	47.2
Nondurable Goods	36.3	26.8	28.9	-9.5	2.1	22.1	27.8
Printing and Publishing	10.2	7.7	8.5	-2.5	.8	32.0	154.2
Rubber and Misc. Plastics Products .	12.2	7.7	8.1	-4.5	.4	8.9	42.5
CONSTRUCTION	15.8	10.6	16.4	-5.2	5.8	111.5	88.7
TRANSPORTATION AND PUBLIC UTILITIES . . .	16.3	13.9	15.4	-2.4	1.5	62.5	25.0
WHOLESALE TRADE	16.6	17.5	18.5	.9	1.0	+	254.4
RETAIL TRADE	68.4	63.1	78.3	-5.3	15.2	286.8	435.4
FINANCE, INSURANCE, AND REAL ESTATE . . .	15.6	15.8	17.8	.2	2.0	+	+
SERVICES	79.5	84.7	104.3	5.2	19.6	+	+
GOVERNMENT	73.6	70.8	73.0	-2.8	2.2	78.6	178.8

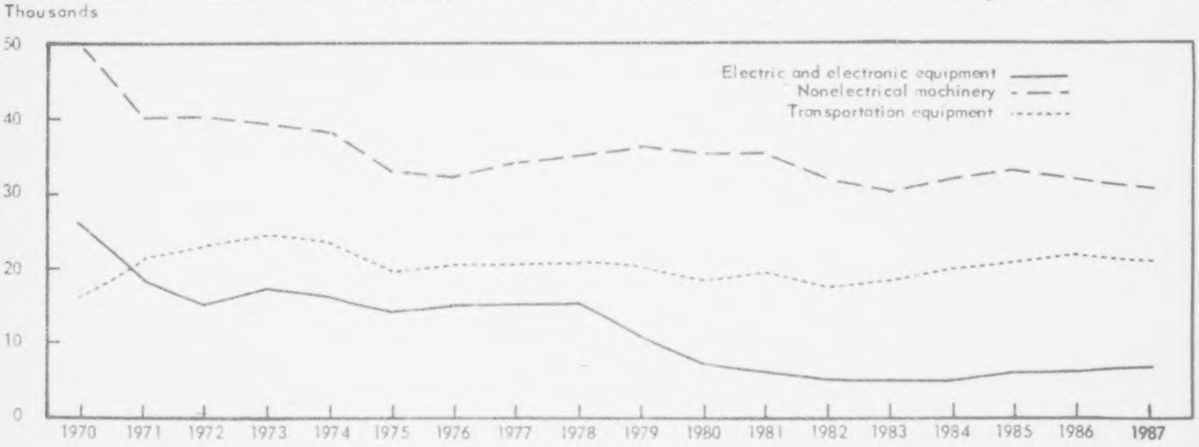
+ No downturn, 1979-1983.

- No upturn, 1983-1987.

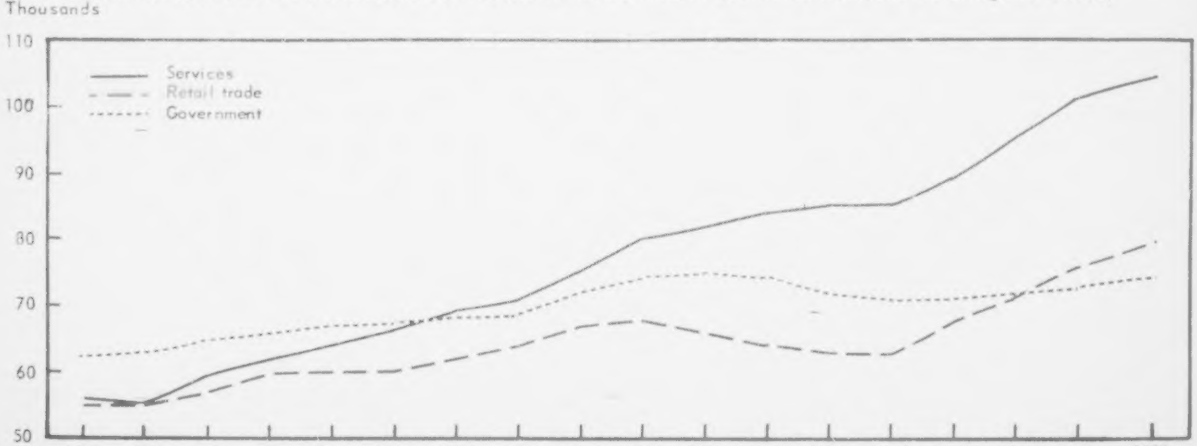
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



DAYTON-SPRINGFIELD MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



DAYTON-SPRINGFIELD MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	427.9	419.2	419.5	421.9	426.5	429.3	428.7	423.8	426.3	433.1	434.2	436.6	435.9
MANUFACTURING	103.8	103.9	103.0	103.3	103.9	104.0	104.2	103.6	104.2	104.7	103.6	103.6	103.2
Durable Goods[b]	74.8	75.1	74.4	74.7	75.0	75.2	75.4	74.8	75.0	75.5	74.5	74.5	74.0
Fabricated metal products	8.4	8.5	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3
Machinery, except electrical	30.4	30.9	30.3	30.2	30.2	30.5	30.7	30.4	30.4	30.6	30.2	30.3	30.3
Metalworking machinery	6.6	6.8	6.7	6.6	6.6	6.6	6.5	6.4	6.5	6.6	6.5	6.6	6.6
General industrial machinery	2.6	2.6	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7
Electric and electronic equipment	5.9	5.8	5.8	5.9	6.0	5.9	5.9	5.9	6.1	6.0	5.9	5.8	5.7
Electrical industrial apparatus	3.5	3.4	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.5	3.4	3.4	3.4
Transportation equipment	20.9	21.1	21.0	21.1	21.2	21.1	21.1	20.9	20.7	21.1	20.7	20.7	20.4
Nondurable Goods[c]	28.9	28.7	28.6	28.6	28.9	28.9	28.8	28.8	29.2	29.2	29.1	29.1	29.2
Food and kindred products	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.8
Paper and allied products	5.9	5.6	5.7	5.6	5.8	5.8	5.9	5.9	6.0	6.1	6.1	6.0	6.0
Printing and publishing	8.5	8.5	8.4	8.5	8.6	8.4	8.4	8.5	8.5	8.5	8.5	8.7	8.7
Rubber and misc. plastics products	8.1	8.2	8.2	8.0	8.1	8.1	8.0	8.0	8.1	8.0	8.0	8.0	8.0
NONMANUFACTURING[d]	324.2	315.3	316.5	318.6	322.6	325.3	324.5	320.2	322.2	328.4	330.7	333.0	332.7
CONSTRUCTION	16.4	14.0	13.6	14.1	15.1	16.1	17.0	17.7	18.0	17.9	18.1	17.7	17.0
TRANSPORTATION AND PUBLIC UTILITIES	15.4	15.0	15.1	15.2	15.2	15.4	15.6	15.6	15.7	15.7	15.6	15.6	15.4
Communication, electric, gas services	5.5	5.7	5.7	5.7	5.5	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4
WHOLESALE TRADE	18.5	18.2	18.1	18.2	18.5	18.6	18.7	18.5	18.7	18.7	18.8	18.8	18.9
Wholesale trade-durable goods	12.3	12.0	12.0	12.0	12.2	12.3	12.4	12.3	12.3	12.4	12.5	12.4	12.5
RETAIL TRADE	78.3	76.0	75.2	75.7	76.8	78.3	78.6	78.3	78.8	79.0	79.5	80.8	82.4
General merchandise stores	12.1	12.2	11.8	11.6	11.7	11.9	11.8	11.7	11.9	12.0	12.4	13.0	13.9

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June[e]	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	17.8	17.3	17.4	17.5	17.6	17.9	18.2	18.2	18.3	18.1	17.9	17.9	17.8
Banking	4.3	4.4	4.3	4.4	4.2	4.2	4.3	4.3	4.4	4.4	4.3	4.3	4.2
Credit agencies other than banks	4.7	4.5	4.5	4.5	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.8	4.7
Insurance carriers	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8
SERVICES	104.3	100.5	102.0	102.3	103.8	103.1	104.3	103.9	104.6	106.5	107.0	107.3	106.3
Business services	25.5	24.1	24.5	24.3	24.7	25.2	25.7	26.1	26.1	26.3	26.5	26.6	26.4
Health services	35.8	35.1	35.2	35.2	35.5	35.5	35.7	36.0	36.2	36.3	36.3	36.0	36.2
Hospitals	18.6	18.4	18.5	18.5	18.5	18.6	18.6	18.8	18.8	18.8	18.8	18.5	18.6
Educational services	7.3	7.7	8.3	8.4	8.2	6.6	6.2	5.3	5.1	7.6	8.3	8.7	7.9
GOVERNMENT	73.0	74.0	74.8	75.1	75.2	75.5	71.8	67.4	67.7	72.1	73.3	74.5	74.5
Federal government	28.1	27.6	27.6	27.7	27.7	27.7	28.0	28.4	28.4	28.5	28.6	28.6	28.5
State government	7.0	6.9	7.1	7.2	7.4	7.4	7.5	6.5	6.4	6.4	6.4	7.3	7.3
State government education	4.1	4.1	4.4	4.4	4.5	4.5	4.5	3.5	3.4	3.4	3.5	4.4	4.5
State government, except education	2.9	2.8	2.8	2.8	2.8	2.8	2.9	3.0	3.0	2.9	2.9	2.9	2.9
Local government	37.9	39.5	40.0	40.2	40.1	40.4	36.3	32.5	32.8	37.2	38.3	38.7	38.7
Local government education	23.2	25.1	25.7	25.7	25.5	25.6	21.1	17.2	17.7	22.4	23.6	24.1	24.2
Local government, except education	14.7	14.3	14.3	14.5	14.6	14.8	15.2	15.3	15.2	14.8	14.7	14.5	14.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-6 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1986[a]

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	419.4	409.9	410.1	413.0	418.2	421.1	420.1	416.5	418.9	424.5	426.4	427.1	427.1
MANUFACTURING	105.7	105.3	105.1	105.5	105.3	106.2	106.6	106.1	106.4	106.6	105.9	105.1	105.0
Durable Goods[b]	76.5	75.8	75.7	76.1	76.0	76.9	77.2	77.0	77.2	77.2	76.6	76.1	75.9
Fabricated metal products	8.4	8.3	8.2	8.2	8.2	8.3	8.5	8.5	8.6	8.5	8.4	8.4	8.4
Machinery, except electrical	31.7	32.1	32.0	32.0	31.7	31.9	32.0	31.7	31.7	31.7	31.4	31.1	31.2
Metalworking machinery	7.0	7.1	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.9
General industrial machinery	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Electric and electronic equipment	5.6	5.2	5.2	5.2	5.1	5.8	5.7	5.6	5.7	5.8	5.8	5.8	5.7
Electrical industrial apparatus	3.2	2.9	2.9	2.9	2.9	3.5	3.4	3.3	3.3	3.3	3.4	3.4	3.4
Transportation equipment	21.7	21.4	21.4	21.7	21.8	21.7	21.8	21.8	21.8	21.9	21.9	21.6	21.5
Nondurable Goods[c]	29.3	29.4	29.4	29.4	29.3	29.3	29.4	29.1	29.2	29.4	29.2	29.0	29.1
Food and kindred products	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.8	2.7
Paper and allied products	5.8	5.8	5.8	5.8	5.7	5.7	5.8	5.9	5.9	5.9	5.7	5.7	5.7
Printing and publishing	8.4	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.6
Rubber and misc. plastics products	8.5	8.7	8.7	8.6	8.6	8.5	8.5	8.3	8.3	8.6	8.5	8.3	8.4
NONMANUFACTURING[d]	313.7	304.6	305.0	307.5	312.9	314.9	313.5	310.4	312.5	317.9	320.6	322.0	322.1
CONSTRUCTION	14.8	12.1	11.6	12.1	13.8	14.8	15.5	16.4	16.9	16.9	16.5	16.0	15.3
TRANSPORTATION AND PUBLIC UTILITIES	14.9	14.2	14.2	14.3	14.6	14.8	14.6	15.0	15.1	15.2	15.5	15.5	15.4
Communication, electric, gas services	5.8	5.9	5.9	5.8	5.9	5.9	5.7	5.9	5.9	5.8	5.8	5.8	5.8
WHOLESALE TRADE	18.6	18.9	18.7	18.7	18.7	18.8	18.8	18.6	18.6	18.6	18.6	18.4	18.3
Wholesale trade-durable goods	12.5	12.9	12.7	12.8	12.7	12.7	12.7	12.4	12.4	12.4	12.4	12.2	12.1
RETAIL TRADE	75.0	72.0	71.3	71.9	74.1	75.2	75.7	74.8	75.5	75.9	76.2	77.7	79.4
General merchandise stores	11.8	12.0	11.4	11.3	11.3	11.3	11.3	11.3	11.4	11.6	11.9	12.7	13.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	17.2	16.8	16.8	16.9	17.1	17.3	17.4	17.5	17.5	17.4	17.3	17.4	17.4
Banking	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.2
Credit agencies other than banks	4.4	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Insurance carriers	3.0	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
SERVICES	100.2	97.1	98.1	98.6	100.1	99.0	100.4	99.8	100.7	101.6	102.3	102.6	101.5
Business services	23.7	22.0	22.4	22.5	23.2	23.4	24.0	24.2	24.4	24.4	24.7	24.9	24.8
Health services	34.6	34.2	34.2	34.2	34.1	34.2	34.4	34.8	35.0	34.9	35.0	35.1	35.1
Hospitals	18.1	18.0	18.0	18.0	17.9	18.0	18.0	18.2	18.2	18.3	18.3	18.4	18.4
Educational services	7.1	7.5	7.9	7.8	7.7	6.1	5.9	5.3	5.1	7.4	8.0	8.4	7.7
GOVERNMENT	72.6	73.1	74.0	74.6	74.1	74.6	70.6	67.9	67.8	71.8	73.7	74.0	74.3
Federal government	28.0	27.8	28.0	28.6	28.1	28.2	28.1	28.2	28.2	28.0	27.5	27.6	27.9
State government	6.7	6.5	6.8	6.9	6.9	6.9	6.9	6.1	6.0	6.1	7.0	7.0	7.0
State government education	4.0	3.9	4.2	4.3	4.2	4.3	4.2	3.4	3.3	3.5	4.4	4.4	4.3
State government, except education ...	2.6	2.6	2.6	2.6	2.7	2.6	2.7	2.7	2.7	2.7	2.6	2.6	2.7
Local government	37.9	38.8	39.2	39.2	39.2	39.5	35.6	33.6	33.6	37.7	39.3	39.4	39.4
Local government education	23.3	24.5	25.1	25.0	24.8	24.9	20.6	18.3	18.5	23.1	24.8	25.0	24.9
Local government, except education ...	14.6	14.3	14.2	14.2	14.4	14.6	15.0	15.3	15.2	14.6	14.4	14.4	14.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.89	$11.91	$11.98	$11.85	$11.77	$11.74	$11.90	$11.86	$11.82	$11.78	$11.91	$12.01	$12.08
Durable Goods[b]	12.07	12.11	12.20	12.06	11.93	11.90	12.10	12.07	11.99	12.00	12.07	12.18	12.18
Fabricated metal products	9.30	9.36	9.33	9.37	9.20	9.34	9.35	9.29	9.29	9.23	9.24	9.25	9.30
Machinery, except electrical	12.82	12.77	12.91	12.82	12.63	12.64	12.89	12.85	12.77	12.74	12.85	13.05	12.87
Metalworking machinery	12.01	11.91	11.85	12.11	11.86	11.98	12.06	12.11	12.08	11.93	12.05	12.03	12.12
General industrial machinery	10.68	10.04	10.28	10.84	10.49	10.47	10.69	10.76	10.82	10.98	10.79	10.65	11.18
Electric and electronic equipment	9.60	9.43	9.60	9.80	9.66	9.70	9.73	9.41	9.63	9.60	9.44	9.53	9.67
Electrical industrial apparatus	10.82	10.77	10.85	10.98	11.00	10.95	10.89	10.37	10.90	10.78	10.76	10.83	10.72
Transportation equipment	14.39	14.35	14.49	14.29	14.13	14.12	14.34	14.37	14.32	14.31	14.52	14.56	14.85
Nondurable Goods[c]	11.36	11.34	11.33	11.21	11.30	11.27	11.31	11.23	11.31	11.13	11.47	11.56	11.79
Food and kindred products	8.40	8.28	8.43	8.34	8.28	8.50	8.33	8.27	8.50	8.73	8.32	8.26	8.49
Paper and allied products	10.89	10.70	10.78	10.73	10.92	10.76	10.95	10.81	10.95	10.86	10.93	11.09	11.13
Printing and publishing	11.02	10.80	10.88	10.70	10.82	11.04	11.07	11.01	11.14	11.25	11.18	11.30	11.01
Rubber and misc. plastics products	14.26	14.23	14.11	14.13	14.15	14.01	14.07	14.10	14.06	13.85	14.59	14.58	15.04
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.36	13.08	13.12	13.14	13.33	13.23	13.30	13.42	13.50	13.54	13.55	13.58	13.55
WHOLESALE TRADE	10.14	9.92	9.91	10.03	9.92	10.07	10.09	10.19	10.10	10.29	10.36	10.40	10.30
RETAIL TRADE[d]	5.66	5.63	5.63	5.70	5.63	5.66	5.66	5.64	5.59	5.68	5.72	5.68	5.69
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.60	10.52	10.48	10.51	10.64	10.60	10.53	10.65	10.63	10.66	10.60	10.65	10.75

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.0	42.0	42.2	41.7	41.3	41.4	42.2	41.5	41.7	41.4	42.6	42.7	42.8
Durable Goods[b]	41.9	41.9	42.3	41.8	41.1	41.4	42.3	41.6	41.8	41.4	42.5	42.5	42.8
Fabricated metal products	40.9	40.0	40.5	41.7	40.1	40.2	41.2	40.0	40.8	39.8	41.2	41.6	43.3
Machinery, except electrical	42.7	42.6	42.9	42.2	41.6	41.9	43.1	42.7	42.4	41.9	43.7	43.5	43.9
Metalworking machinery	44.1	43.4	42.9	42.4	42.4	43.0	44.2	44.0	44.9	44.1	45.8	46.1	46.5
General industrial machinery	41.3	39.0	38.4	41.2	38.6	39.6	44.2	42.4	41.9	40.7	42.2	41.4	45.6
Electric and electronic equipment	44.8	43.4	43.1	44.2	43.6	44.8	46.0	43.6	44.5	44.5	45.3	47.0	47.6
Electrical industrial apparatus	46.7	44.9	45.3	47.4	45.0	47.6	47.8	44.0	45.3	46.3	48.4	49.4	49.2
Transportation equipment	41.1	41.9	42.4	41.2	40.5	40.6	41.0	40.7	41.1	41.1	41.1	41.1	41.0
Nondurable Goods[c]	41.9	42.1	41.8	41.5	41.9	41.4	41.8	41.0	41.4	41.5	42.8	43.2	42.8
Food and kindred products	43.1	43.1	42.2	41.9	41.5	43.3	43.3	43.8	43.0	46.8	43.4	43.2	41.6
Paper and allied products	46.3	47.2	46.1	46.0	47.0	45.7	46.9	45.6	45.6	46.1	45.6	47.0	47.2
Printing and publishing	39.2	38.2	38.8	38.9	39.6	39.0	38.5	37.3	39.1	40.5	40.4	40.8	38.7
Rubber and misc. plastics products	40.4	40.6	40.4	40.0	40.2	39.6	39.4	39.3	39.7	37.2	43.2	42.6	42.2
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	40.1	39.3	39.1	39.2	40.7	39.9	40.5	41.2	40.4	40.5	40.3	40.4	40.2
WHOLESALE TRADE	41.0	40.0	40.3	40.0	40.7	40.1	40.9	42.1	41.8	42.1	41.6	41.5	40.8
RETAIL TRADE	28.0	27.2	27.0	27.5	27.9	27.8	27.8	28.4	28.7	28.5	28.4	27.7	28.5
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.3	34.4	34.4	34.2	33.9	33.6	34.3	34.2	34.2	34.2	34.3	34.6	34.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$499.38	$500.22	$505.56	$494.15	$486.10	$486.04	$502.18	$492.19	$492.89	$487.69	$507.37	$512.83	$517.02
Durable Goods[b]	505.73	507.41	516.06	504.11	490.32	492.66	511.83	502.11	501.18	496.80	512.98	517.65	521.30
Fabricated metal products	380.37	374.40	377.87	390.73	368.92	375.47	385.22	371.60	379.03	367.35	380.69	384.80	402.69
Machinery, except electrical	547.41	544.00	553.84	541.00	525.41	529.62	555.56	548.70	541.45	533.81	561.55	567.68	564.99
Metalworking machinery	529.64	516.89	508.37	513.46	502.86	515.14	533.05	532.84	542.39	526.11	551.89	554.58	563.58
General industrial machinery	441.08	391.56	394.75	446.61	404.91	414.61	472.50	456.22	453.36	446.89	455.34	440.91	509.81
Electric and electronic equipment	430.08	409.26	413.76	433.16	421.18	434.56	447.58	410.28	428.54	427.20	427.63	447.91	460.29
Electrical industrial apparatus	505.29	483.57	491.51	520.45	495.00	521.22	520.54	456.28	493.77	499.11	520.78	535.00	527.42
Transportation equipment	591.43	601.27	614.38	588.75	572.27	573.27	587.94	584.86	588.55	588.14	596.77	598.42	608.85
Nondurable Goods[c]	475.98	477.41	473.59	465.22	473.47	466.58	472.76	460.43	468.23	461.90	490.92	499.39	504.61
Food and kindred products	362.04	356.87	355.75	349.45	343.62	368.05	360.69	362.23	365.50	408.56	361.09	356.83	353.18
Paper and allied products	504.21	505.04	496.96	493.58	513.24	491.73	513.56	492.94	499.32	500.65	498.41	521.23	525.34
Printing and publishing	431.98	412.56	422.14	416.23	428.47	430.56	426.20	410.67	435.57	455.63	451.67	461.04	426.09
Rubber and misc. plastics products	576.10	577.74	570.04	565.20	568.83	554.80	554.36	554.13	558.18	515.22	630.29	621.11	634.69
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	535.74	514.04	512.99	515.09	542.53	527.88	538.65	552.90	545.40	548.37	546.07	548.63	544.71
WHOLESALE TRADE	415.74	396.80	399.37	401.20	403.74	403.81	412.68	429.00	422.18	433.21	430.98	431.60	420.24
RETAIL TRADE[d]	158.48	153.14	152.01	156.75	157.08	157.35	157.35	160.18	160.43	161.88	162.45	157.34	162.17
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	363.58	361.89	360.51	359.44	360.70	356.16	361.18	364.23	363.55	364.57	363.58	368.49	375.18

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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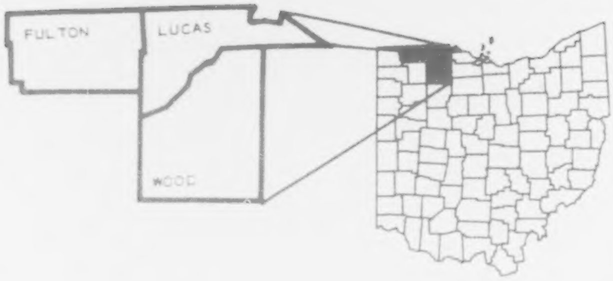
TOLEDO
METROPOLITAN STATISTICAL AREA

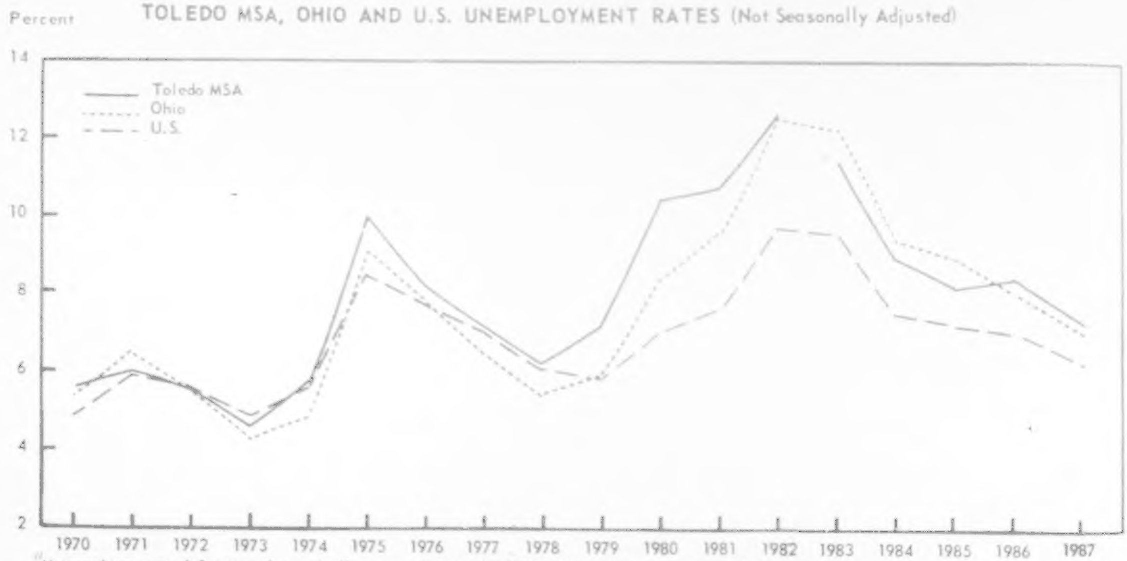


The estimated annual average civilian labor force, based on place of residence, in the Toledo metropolitan area gained 1,800 jobs, from 307,100 in 1986, to 308,900 in 1987. Total employment advanced 5,200 over the year, to 286,400, while unemployment registered a decrease of 3,300, to 22,500 in 1987. The unemployment rate dropped 1.1 percent, from 8.4 percent in 1986, to7.3 percent in 1987. (See table, page 95, top.)

Nonagricultural wage and salary employment advanced 7,400 from the1986 level, to 279,400 in 1987. Growth was concentrated in nonmanufacturing industries, gaining 8,700 jobs over the year. Expansion in services, retail trade, and construction contributed 87.4 percent of the improvement, although increases were recorded in nearly all nonmanufacturing sectors. Manufacturing employment declined 2.1 percent over the year, a loss of 1,300 workers. Nondurable-goods industries showed modest improvement. However, important reductions were registered in transportation equipment and stone, clay, and glass products.

In the Toledo area, total nonfarm employment increased 33,700 since the 1979-1983 recessionary period. Nonmanufacturing industries contributed 92.6 percent of the gain. Primary growth sectors were services and retail trade. Construction and government also recorded significant improvements. Manufacturing recovered 14.0 percent of jobs lost during the economic downturn. Gains were reflected in durable- and nondurable-goods industries, especially transportation equipment. However, stone, clay, and glassware continued its downward trend, dropping 2,100 below the 1983 level. (See table, page 95, bottom.)

TOLEDO MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



a Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

TOLEDO MSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b] MSA	Unemployment Rate[b] Ohio	Unemployment Rate[b] U.S.		Nonagricultural Wage And Salary Employment	Manufacturing	Nonmfg.
329.4	311.3	18.1	5.5	5.5	5.6	1972	241.7	77.9	163.8
339.8	324.2	15.6	4.6	4.3	4.9	1973	252.2	82.0	170.2
343.8	324.2	19.7	5.7	4.8	5.6	1974	251.6	78.8	172.7
344.8	310.2	34.6	10.0	9.1	8.5	1975	241.0	70.9	170.1
347.8	319.4	28.4	8.2	7.8	7.7	1976	248.3	74.5	173.9
355.0	329.4	25.6	7.2	6.5	7.1	1977	256.3	77.2	179.1
362.1	339.7	22.4	6.2	5.4	6.1	1978	264.7	79.4	185.3
368.2	341.7	26.4	7.2	5.9	5.8	1979	268.2	77.4	190.8
368.2	329.8	38.4	10.4	8.4	7.1	1980	257.0	66.4	190.6
367.4	328.0	39.4	10.7	9.6	7.6	1981	254.2	65.8	188.4
369.4	323.0	46.4	12.6	12.5	9.7	1982	244.4	60.2	184.2
289.2[c]	256.1[c]	33.1[c]	11.4[c]	12.2	9.6	1983	245.3	59.6	185.7
293.5	267.3	26.2	8.9	9.4	7.5	1984	257.0	64.8	192.2
296.5	272.3	24.3	8.2	8.9	7.2	1985	264.5	65.7	198.8
307.1	281.2	25.8	8.4	8.1	7.0	1986	272.0	63.4	208.6
308.9	286.4	22.5	7.3	7.0	6.2	1987	279.4	62.1	217.3

[a] Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.

[b] Unemployment as percentage of Civilian Labor Force.

[c] Data not comparable to previous years due to change in metropolitan area definition.

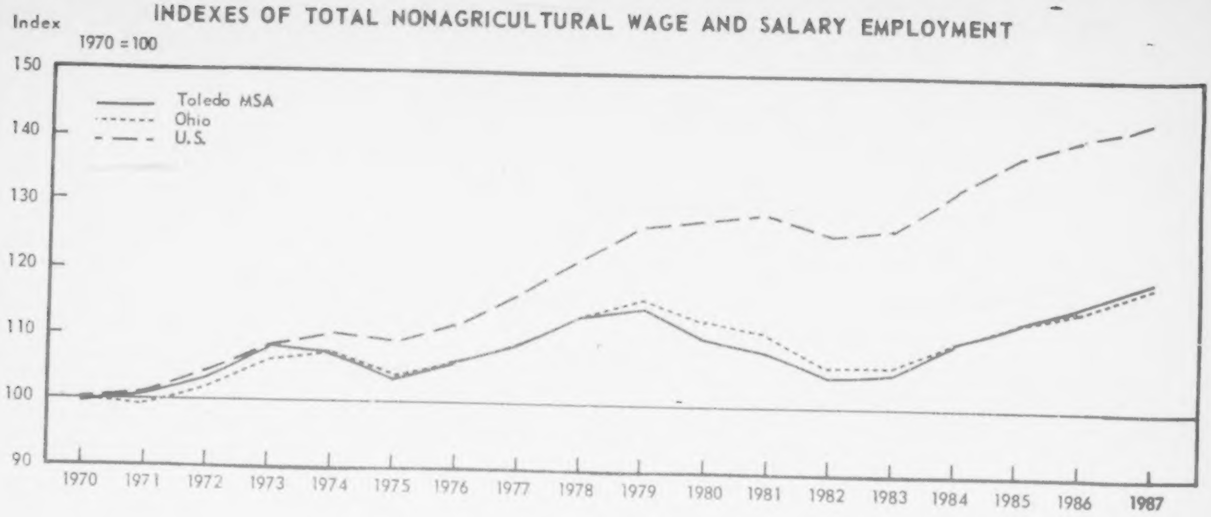
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE TOLEDO METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

Industry	Employment (in thousands) 1979	1983	1987	Employment Changes 1979-1983	1983-1987	Percent Recovery MSA	Ohio
TOTAL	268.2	245.7	279.4	-22.5	33.7	149.8	124.0
MANUFACTURING	77.4	59.6	62.1	-17.8	2.5	14.0	9.3
Durable Goods	61.5	46.2	47.9	-15.3	1.7	11.1	5.0
Stone, Clay, and Glass Products	13.8	10.1	8.0	-3.7	-2.1	-	-
Transportation Equipment	17.7	14.3	15.9	-3.4	1.6	47.1	47.2
Motor Vehirles and Equipment	16.3	13.1	15.0	-3.2	1.9	59.4	20.5
Nondurable Goods	16.0	13.4	14.2	-2.6	.8	30.8	27.8
CONSTRUCTION	10.3	7.3	10.6	-3.0	3.3	110.0	88.7
TRANSPORTATION AND PUBLIC UTILITIES	17.7	13.8	13.7	-3.9	- .1	-	25.0
WHOLESALE TRADE	14.1	13.9	14.7	- .2	.8	400.0	254.4
RETAIL TRADE	47.1	44.6	54.3	-2.5	9.7	388.0	435.4
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.5	11.4	.2	1.9	+	+
SERVICES	53.0	57.8	70.9	4.8	13.1	+	+
GOVERNMENT	39.0	38.6	41.5	- .4	2.9	725.0	178.8

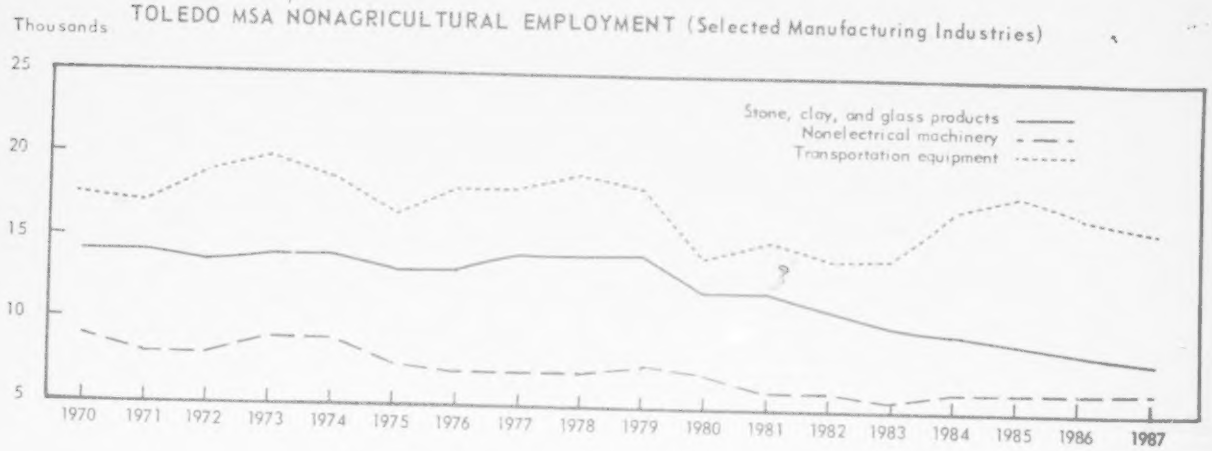
[+] No downturn, 1979-1983.

[-] No upturn, 1983-1987.

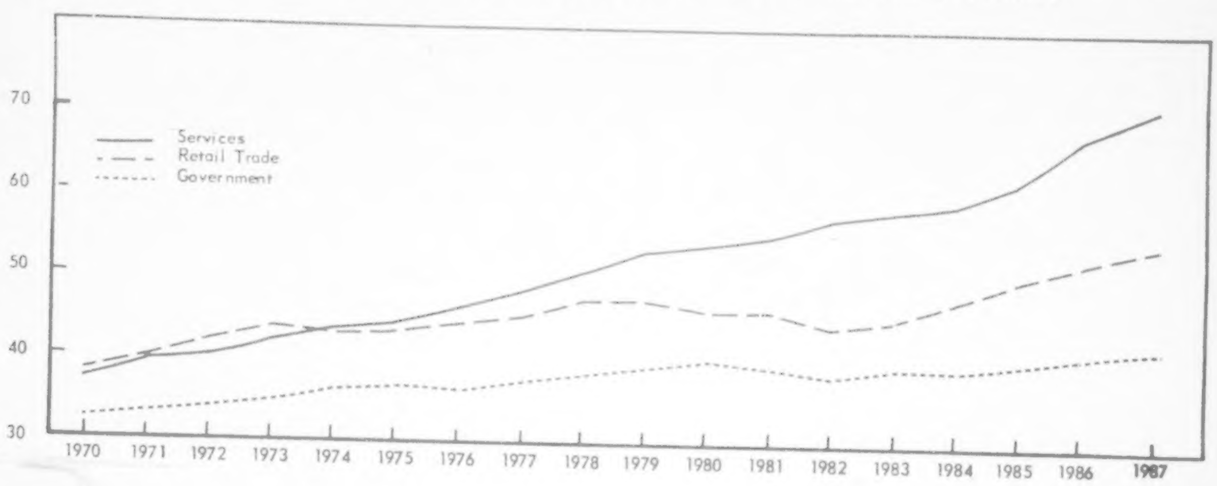
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



TOLEDO MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



TOLEDO MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1987[a]

(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	279.4	271.2	271.5	273.4	277.4	280.2	278.5	277.2	277.7	283.4	285.8	287.9	288.6
MANUFACTURING	62.1	61.9	61.8	61.9	62.0	61.8	62.0	61.6	62.5	62.9	61.6	62.4	62.5
Durable Goods[b]	47.9	48.3	48.2	48.3	48.0	47.7	47.9	47.3	47.4	48.0	47.3	48.0	48.0
Stone, clay, and glass products	8.0	8.0	8.0	7.9	7.8	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.1
Primary metal industries	3.4	3.6	3.6	3.6	3.5	3.4	3.4	3.2	3.3	3.4	3.3	3.4	3.4
Fabricated metal products	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.6	7.4	7.5	7.4	7.5	7.5
Metal forgings and stampings	3.3	3.4	3.4	3.5	3.4	3.4	3.4	3.4	3.2	3.3	3.2	3.2	3.3
Machinery, except electrical	6.0	5.9	6.0	6.0	6.2	6.1	6.1	5.9	6.1	6.1	6.0	6.0	6.1
Electric and electronic equipment	2.5	2.7	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.5	2.1	2.4	2.5
Transportation equipment	15.9	16.0	16.0	16.2	16.0	16.0	16.0	15.9	15.8	16.0	15.8	15.8	15.8
Motor vehicles and equipment	15.0	15.0	15.1	15.2	15.1	15.1	15.1	15.0	14.9	15.0	14.9	14.9	14.8
Nondurable Goods[c]	14.2	13.6	13.6	13.6	14.0	14.1	14.1	14.3	15.1	14.9	14.3	14.4	14.4
Food and kindred products	3.8	3.5	3.4	3.4	3.5	3.7	3.7	3.8	4.6	4.4	3.7	3.8	3.8
Rubber and misc. plastics products	2.9	2.8	2.8	2.9	2.9	2.9	2.7	2.9	2.8	2.8	2.9	3.0	3.0
NONMANUFACTURING[d]	217.3	209.3	209.7	211.6	215.4	218.3	216.5	215.6	215.2	220.5	224.2	225.5	226.1
CONSTRUCTION	10.6	9.0	8.7	8.8	9.6	10.4	10.7	11.3	11.6	11.8	12.0	11.9	11.4
TRANSPORTATION AND PUBLIC UTILITIES	13.7	13.1	13.0	13.1	13.5	13.7	13.9	13.9	14.0	14.1	14.1	14.1	14.0
Trucking and warehousing	5.4	5.1	5.1	5.1	5.2	5.3	5.4	5.4	5.4	5.5	5.6	5.7	5.7
Communication, electric, gas services	5.0	4.9	5.0	5.0	4.9	4.9	5.0	5.0	5.1	5.0	5.0	5.0	5.0
WHOLESALE TRADE	14.7	14.2	14.2	14.3	14.5	14.6	14.8	15.0	15.0	14.8	14.9	14.9	14.9
Wholesale trade-durable goods	9.7	9.4	9.5	9.5	9.6	9.7	9.9	10.0	10.0	9.8	9.9	9.8	9.8
RETAIL TRADE	54.3	52.8	51.9	52.3	53.2	53.8	54.2	54.3	54.5	54.9	55.4	56.6	57.9
General merchandise stores	7.7	8.1	7.6	7.6	7.5	7.4	7.4	7.4	7.5	7.6	7.8	8.2	8.6

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.0	11.1	11.1	11.2	11.4	11.4	11.5	11.5	11.4	11.5	11.5	11.5
Banking	3.5	3.5	3.4	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
SERVICES	70.9	67.2	67.8	68.8	70.1	70.9	71.4	72.0	72.2	72.4	72.7	72.7	72.5
Business services	14.6	13.2	13.5	13.6	14.1	14.6	14.7	15.0	15.1	15.2	15.3	15.5	15.6
Health services	27.0	26.7	26.7	26.8	26.8	26.8	26.9	27.1	27.1	27.1	27.1	27.2	27.2
Hospitals	15.3	15.0	15.1	15.2	15.1	15.2	15.4	15.4	15.4	15.3	15.3	15.3	15.2
GOVERNMENT	41.5	41.8	42.8	43.1	43.0	43.3	39.7	37.4	36.1	40.8	43.3	43.6	43.6
State government	15.0	15.2	16.0	16.3	16.2	16.2	12.7	12.3	11.5	14.3	16.4	16.4	16.2
State government education	10.9	11.2	12.1	12.2	12.2	12.1	8.6	8.2	7.4	10.3	12.4	12.4	12.2
State government, except education ...	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.0	4.0	4.0
Local government	23.9	23.9	24.1	24.2	24.2	24.5	24.4	22.4	22.0	23.9	24.4	24.6	24.8
Local government education	13.5	13.7	14.0	14.1	13.9	14.0	13.6	11.4	11.1	13.5	14.0	14.2	14.4
Local government, except education ...	10.4	10.2	10.1	10.1	10.3	10.5	10.8	11.0	10.9	10.4	10.3	10.4	10.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products.
[d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-7 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	272.0	265.8	265.7	266.3	271.2	273.1	270.2	269.5	271.6	276.5	277.6	278.6	278.3
MANUFACTURING	63.4	65.2	63.8	62.9	63.7	62.9	63.4	62.9	64.0	64.2	63.0	62.7	61.9
Durable Goods[b]	49.5	51.7	50.2	49.2	50.0	49.0	49.4	49.2	49.2	49.4	49.2	48.9	48.2
Stone, clay, and glass products	8.6	8.5	8.6	8.6	8.5	8.6	8.7	8.8	8.8	8.7	8.6	8.5	8.0
Primary metal industries	3.4	3.4	3.4	3.5	3.5	3.4	3.4	3.5	3.4	3.5	3.4	3.4	3.4
Fabricated metal products	7.6	7.7	7.5	7.6	7.5	7.4	7.5	7.5	7.5	7.6	7.6	7.6	7.6
Metal forgings and stampings	3.3	3.5	3.3	3.4	3.3	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4
Machinery, except electrical	6.0	6.0	5.9	6.0	6.0	6.1	6.0	5.9	5.9	6.1	6.2	6.0	6.0
Electric and electronic equipment	2.7	3.0	2.0[e]	2.0[e]	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.6
Transportation equipment	16.8	18.9	18.6	17.3	17.3	16.2	16.5	16.2	16.3	16.4	16.2	16.2	16.0
Motor vehicles and equipment	15.8	17.8	17.6	16.3	16.3	15.2	15.5	15.2	15.3	15.4	15.3	15.3	15.1
Nondurable Goods[c]	13.9	13.5	13.6	13.8	13.6	13.9	14.0	13.7	14.8	14.8	13.8	13.8	13.8
Food and kindred products	3.6	3.3	3.3	3.3	3.2	3.4	3.6	3.4	4.5	4.4	3.4	3.4	3.5
Rubber and misc. plastics products	2.9	2.9	3.0	3.0	3.0	3.0	2.9	2.7	2.8	2.8	2.8	2.9	2.8
NONMANUFACTURING[d]	208.6	200.5	201.8	203.3	207.5	210.2	206.8	206.6	207.5	212.3	214.6	215.8	216.4
CONSTRUCTION	9.5	7.8	7.6	7.9	9.0	9.5	9.7	10.2	10.4	10.4	10.7	10.4	10.0
TRANSPORTATION AND PUBLIC UTILITIES	13.8	13.5	13.5	13.5	13.7	13.8	13.1	14.1	14.3	14.2	14.2	14.1	14.0
Trucking and warehousing	5.5	5.3	5.3	5.3	5.3	5.4	5.4	5.5	5.6	5.6	5.7	5.7	5.7
Communication, electric, gas services	4.9	4.9	4.9	4.9	4.8	4.9	4.1[e]	5.0	5.0	5.0	5.0	5.0	5.0
WHOLESALE TRADE	14.4	14.2	14.2	14.2	14.4	14.5	14.6	14.6	14.6	14.4	14.6	14.4	14.3
Wholesale trade-durable goods	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.8	9.7	9.6	9.6	9.5	9.4
RETAIL TRADE	52.1	50.5	50.0	50.4	50.7	51.6	52.0	52.2	52.5	52.7	53.0	54.4	55.7
General merchandise stores	7.5	7.4	7.0	7.0	6.9	7.0	7.1	7.3	7.4	7.5	7.9	8.5	9.0

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	11.0	10.5	10.6	10.7	10.9	10.9	11.1	11.2	11.2	11.2	11.2	11.3	11.4
Banking	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	3.6	3.6
SERVICES	66.6	63.2	63.7	64.2	66.4	66.9	67.1	67.6	68.2	68.4	68.0	68.0	67.8
Business services	13.0	12.0	12.1	12.0	12.8	12.8	12.9	13.3	13.5	13.5	13.5	13.7	13.6
Health services	25.9	25.1	25.0	25.2	25.5	25.7	26.0	26.2	26.2	26.3	26.3	26.4	26.5
Hospitals	14.7	14.3	14.4	14.5	14.6	14.6	14.7	14.9	14.9	14.9	15.0	15.0	15.0
GOVERNMENT	40.9	40.6	42.1	42.2	42.2	42.7	39.0	36.3	36.1	40.6	42.8	43.0	42.9
State government	14.7	14.6	15.9	15.9	15.9	16.1	12.3	11.8	11.5	14.4	16.2	16.3	16.1
State government education	10.8	10.8	12.0	12.0	12.0	12.1	8.3	7.7	7.4	10.4	12.3	12.4	12.1
State government, except education ...	3.9	3.8	3.8	3.9	4.0	3.9	4.0	4.1	4.1	4.0	3.9	3.9	4.0
Local government	23.5	23.4	23.7	23.7	23.7	24.0	24.0	21.9	21.9	23.6	24.0	24.0	24.0
Local government education	13.2	13.4	13.6	13.7	13.6	13.7	13.4	11.1	11.1	13.1	13.6	13.6	13.8
Local government, except education ...	10.3	10.0	10.0	10.0	10.1	10.3	10.6	10.8	10.8	10.5	10.3	10.3	10.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products.
[d] Includes mining. [e] Depressed due to labor-management disputes.

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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$12.72	$12.75	$12.68	$12.70	$12.67	$12.71	$12.66	$12.67	$12.61	$12.72	$12.75	$12.81	$12.86
Durable Goods[b]	13.20	13.25	13.09	13.14	13.16	13.21	13.11	13.11	13.17	13.23	13.25	13.33	13.35
Stone, clay, and glass products	12.58	12.60	12.60	12.82	12.63	12.58	12.67	12.37	12.20	12.39	12.55	12.75	12.77
Primary metal industries	11.28	11.43	11.42	11.40	11.42	11.40	11.50	11.01	11.01	10.93	11.21	11.23	11.25
Fabricated metal products	12.54	12.49	12.60	12.45	12.54	12.25	12.43	12.43	12.54	12.63	12.59	12.68	12.82
Metal forgings and stampings	14.75	14.47	14.78	14.56	14.61	14.24	14.41	14.29	14.66	14.89	15.09	15.38	15.53
Machinery, except electrical	11.63	11.54	11.40	11.47	11.41	11.61	11.54	11.55	11.53	11.70	11.74	11.87	12.17
Electric and electronic equipment	12.41	12.58	12.72	12.77	12.40	12.64	12.34	12.38	12.41	12.49	12.00	12.16	11.76
Transportation equipment	15.51	15.55	15.20	15.30	15.36	15.47	15.35	15.45	15.50	15.56	15.69	15.79	15.92
Motor vehicles and equipment	15.59	15.61	15.25	15.36	15.43	15.55	15.44	15.53	15.58	15.64	15.78	15.88	16.02
Nondurable Goods[c]	11.01	10.86	11.14	11.08	10.85	10.90	11.06	11.16	10.75	11.05	11.08	11.08	11.10
Food and kindred products	12.39	12.45	13.29	13.30	12.45	12.46	12.66	12.80	11.38	11.73	12.32	12.13	12.21
Rubber and misc. plastics products	8.12	8.11	8.03	7.86	8.13	7.92	8.19	8.11	8.02	8.24	8.11	8.36	8.38
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	14.36	14.02	13.95	13.92	13.93	14.26	14.84	14.76	14.57	14.52	14.38	14.41	14.74
WHOLESALE TRADE	9.43	9.24	9.30	9.39	9.44	9.45	9.36	9.44	9.50	9.58	9.36	9.54	9.53
RETAIL TRADE[d]	5.54	5.51	5.59	5.60	5.54	5.54	5.51	5.48	5.52	5.47	5.60	5.56	5.57

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-7 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.5	43.5	43.2	42.8	42.4	41.9	41.8	41.3	42.4	42.4	42.1	42.8	43.3
Durable Goods[b]	42.7	44.1	43.5	43.0	42.6	42.1	41.7	41.4	42.7	42.3	42.2	43.2	43.4
Stone, clay, and glass products	41.1	42.3	41.9	40.9	40.5	40.3	40.8	40.9	39.8	41.0	40.5	41.9	42.0
Primary metal industries	43.5	45.6	46.0	44.5	44.4	42.9	43.2	41.5	42.2	40.4	43.8	43.3	43.7
Fabricated metal products	43.2	44.7	44.1	43.0	43.6	41.3	42.7	41.5	42.2	42.7	43.0	44.7	45.2
Metal forgings and stampings	46.0	47.0	47.1	46.9	45.9	42.9	44.6	43.1	45.2	45.4	45.5	48.0	49.9
Machinery, except electrical	42.3	42.5	42.7	42.0	40.7	42.3	41.4	42.2	42.1	42.4	41.5	42.9	44.8
Electric and electronic equipment	41.4	43.6	42.3	42.9	41.1	41.7	40.8	41.6	40.6	40.9	40.3	41.4	38.9
Transportation equipment	43.2	45.1	43.8	43.8	43.1	43.3	41.7	41.5	44.4	43.2	41.9	43.1	43.0
Motor vehicles and equipment	43.1	45.1	43.9	43.8	43.1	43.3	41.6	41.3	44.4	43.1	41.8	43.1	43.0
Nondurable Goods[c]	41.8	41.6	42.2	41.9	41.6	41.0	41.9	41.2	41.5	42.8	41.8	41.4	42.6
Food and kindred products	43.7	44.1	45.7	46.0	42.5	42.2	45.1	44.4	43.7	43.4	43.3	41.1	43.1
Rubber and misc. plastics products	40.4	40.5	39.5	39.5	41.4	40.0	40.3	39.0	39.7	42.8	40.2	40.9	41.5
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	41.8	41.2	40.9	41.7	41.9	42.0	42.4	42.2	41.7	42.1	41.3	41.5	42.2
WHOLESALE TRADE	37.7	37.4	37.1	37.4	37.7	38.4	37.5	37.9	37.5	37.6	37.8	38.0	38.6
RETAIL TRADE	29.0	27.9	28.0	28.5	29.1	29.3	29.3	29.6	29.7	29.5	29.1	28.8	29.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
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AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$540.60	$554.63	$547.78	$543.56	$537.21	$532.55	$529.19	$523.27	$534.66	$539.33	$536.78	$548.27	$556.84
Durable Goods[b]	563.64	584.33	569.42	565.02	560.62	556.14	546.69	542.75	562.36	559.63	559.15	575.86	579.39
Stone, clay, and glass products	517.04	532.98	527.94	524.34	511.52	506.97	516.94	505.93	485.56	507.99	508.28	534.23	536.34
Primary metal industries	490.68	521.21	525.32	507.30	507.05	489.06	496.80	456.92	464.62	441.57	491.00	486.26	491.63
Fabricated metal products	541.73	558.30	555.66	535.35	546.74	505.93	530.76	515.85	529.19	539.30	541.37	566.80	579.46
Metal forgings and stampings	678.50	680.09	696.14	682.86	670.60	610.90	642.69	615.90	662.63	676.01	686.60	738.24	774.95
Machinery, except electrical	491.95	490.45	486.78	481.74	464.39	491.10	477.76	487.41	485.41	496.08	487.21	509.22	545.22
Electric and electronic equipment	513.77	548.49	538.06	547.83	509.64	527.09	503.47	515.01	503.85	510.84	483.60	503.42	457.46
Transportation equipment	670.03	701.31	665.76	670.14	662.02	669.85	640.10	641.18	688.20	672.19	657.41	680.55	684.56
Motor vehicles and equipment	671.93	704.01	669.48	672.77	665.03	673.32	642.30	641.39	691.75	674.08	659.60	684.43	688.86
Nondurable Goods[c]	460.22	451.78	470.11	464.25	451.36	446.90	463.41	459.79	446.13	472.94	463.14	458.71	472.86
Food and kindred products	541.44	549.05	607.35	611.80	529.13	525.81	570.97	568.32	497.31	509.08	533.46	498.54	526.25
Rubber and misc. plastics products	328.05	328.46	317.19	310.47	336.58	316.80	330.06	316.29	318.39	352.67	326.02	341.92	347.77
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services ..	600.25	577.62	570.56	580.46	583.67	598.92	629.22	622.87	607.57	611.29	593.89	598.02	622.03
WHOLESALE—TRADE	355.51	345.58	345.03	351.19	355.89	362.88	351.00	357.78	356.25	360.21	353.81	362.52	367.86
RETAIL TRADE[d]	160.66	153.73	156.52	159.60	161.21	162.32	161.44	162.21	163.94	161.37	162.96	160.13	164.87

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual·1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay periods. [f] Not comparable to previous estimates.

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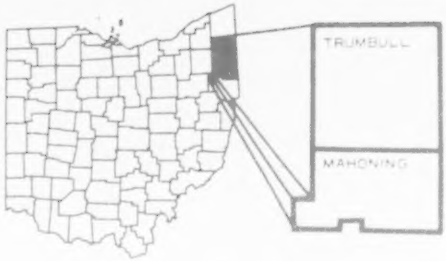
YOUNGSTOWN - WARREN
METROPOLITAN - STATISTICAL AREA

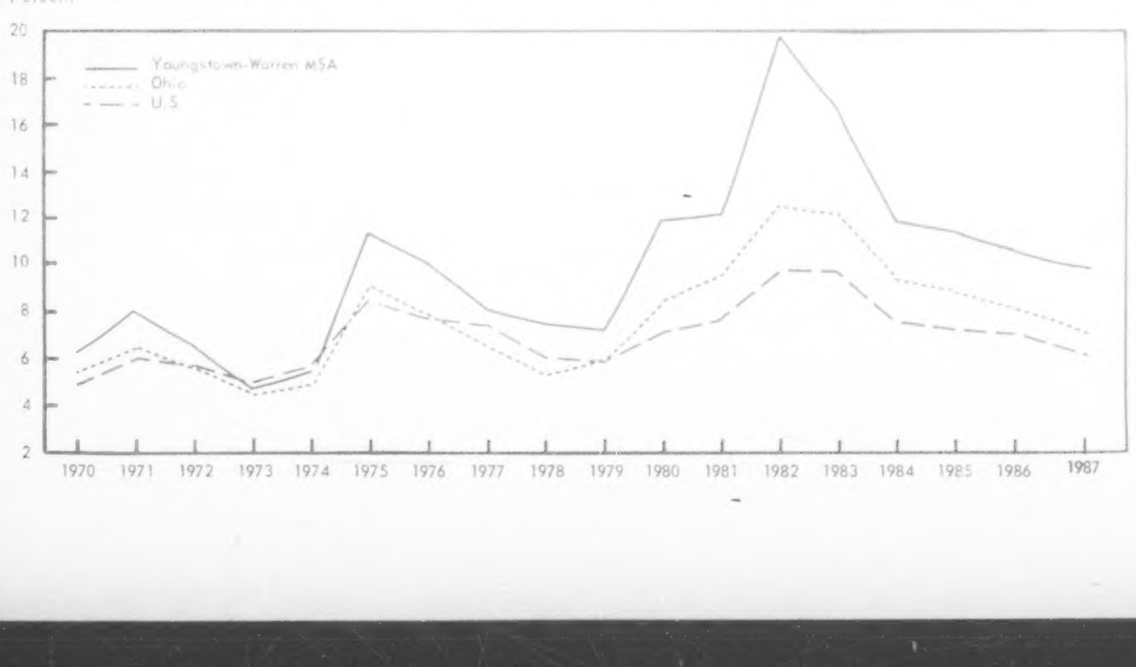


In the Youngstown-Warren area, the estimated average annual civilian labor force, distributed by place of residence, declined 2,400, from 223,700 in 1986 to 221,300 in 1987. Total employment decreased 300 over the year, to 199,700, while unemployment registered a loss of 2,200, to 21,500. The unemployment rate fell from 10.6 percent in 1986, to 9.7 percent in 1987. (See table, page 105, top.)

Nonagricultural wage and salary employment increased 1,000 from the 1986 level, to 188,100 in 1987. Expansion in nonmanufacturing industries created 3,900 jobs, a 2.9 percent increase from 1986. Although nearly all sectors recorded gains over the year, noteworthy improvements were in services and retail trade. Manufacturing employment declined 2,900 since 1986, to 48,800. Most of the loss occurred in durable-goods industries. Significant reductions were registered in primary metal industries, especially blast furnace and basic steel products, and in transportation equipment.

Total nonfarm employment in the Youngstown-Warren area continued its post-recession expansion, gaining 10,600 since 1983. Although 29.1 percent of lost jobs have been recovered, the employment level remains 25,800 below the 1979 level. Growth in services, retail trade, and construction contributed most to the recovery. Manufacturing employment continued its downward trend, dropping 4,000 below the 1983 level. Significant losses during the post-recessionary period were noted in primary metals, especially blast furnace and basic steel products. However, transportation equipment was 600 above the 1983 level. (See table, page 105, bottom.)

YOUNGSTOWN-WARREN MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



YOUNGSTOWN-WARREN MSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]				Nonagricultural Wage And Salary Employment	Manufacturing	Nonmfg.
			MSA	Ohio	U.S.				
226.9	212.1	14.8	6.5	5.5	5.6	1972	201.1	87.9	113.2
232.5	221.8	10.8	4.6	4.3	5.9	1973	211.6	93.0	118.5
236.7	223.7	13.0	5.5	4.8	5.6	1974	213.5	92.0	121.5
236.7	209.8	26.9	11.4	9.1	8.5	1975	200.7	80.8	120.0
234.2	210.5	23.7	10.1	7.8	7.7	1976	203.5	80.6	122.9
234.0	215.0	19.0	8.1	6.5	7.1	1977	208.0	81.1	126.9
235.2	217.5	17.7	7.5	5.4	6.1	1978	210.3	79.4	130.9
237.1	219.9	17.1	7.2	5.9	6.8	1979	213.9	79.9	133.9
238.9	210.5	28.4	11.9	8.4	7.1	1980	203.1	70.8	132.3
234.0	205.7	28.2	12.1	9.6	7.6	1981	198.7	67.3	131.4
237.0	190.3	46.6	19.7	12.5	9.7	1982	180.6	52.9	127.7
225.6	188.1	37.5	16.6	12.2	9.6	1983	177.5	52.8	124.7
222.2	195.9	26.3	11.8	9.4	7.5	1984	182.5	55.1	127.4
221.3	196.3	25.0	11.3	8.9	7.2	1985	184.2	52.7	131.4
223.7	200.0	23.7	10.6	8.1	7.0	1986	187.1	51.7	135.4
221.3	199.7	21.5	9.7	7.0	6.2	1987	188.1	48.8	139.3

[a] Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.

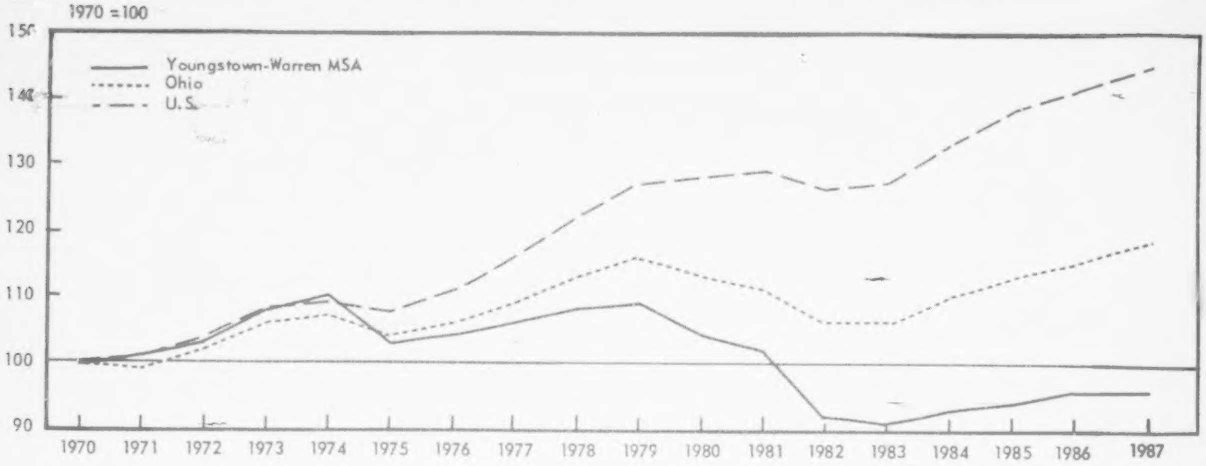
[b] Unemployment as percentage of Civilian Labor Force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

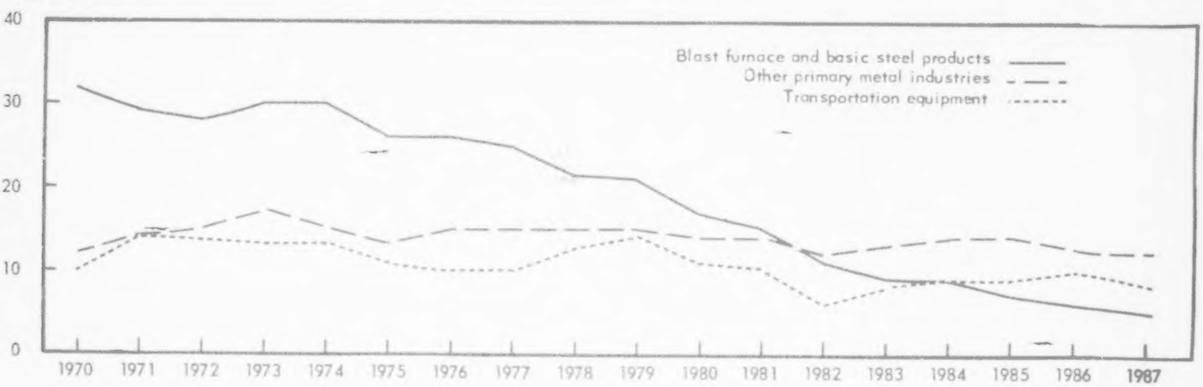
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	MSA	Ohio
TOTAL	213.9	177.5	188.1	-36.4	10.6	29.1	124.0
MANUFACTURING	79.9	52.8	48.8	-27.1	-4.0	-	9.3
Durable Goods	73.9	47.7	43.6	-26.2	-4.1	-	5.0
Primary Metal Industries	35.7	22.4	18.4	-13.3	-4.0	-	-
Blast Furnace & Basic Steel Products	20.9	9.0	5.6	-11.9	-3.4	-	-
Fabricated Metal Products	9.7	7.7	7.3	-2.0	- .4	-	8.1
Transportation Equipment	13.7	8.3	8.9	-5.4	.6	11.1	47.2
Nondurable Goods	6.0	5.0	5.2	-1.0	.2	20.0	27.8
CONSTRUCTION	7.0	4.8	7.3	-2.2	2.5	113.6	88.7
TRANSPORTATION AND PUBLIC UTILITIES	10.1	7.6	7.6	-2.5	.0	-	25.0
WHOLESALE TRADE	8.1	7.7	9.5	- .4	1.8	450.0	254.4
RETAIL TRADE	38.5	34.3	38.6	-4.2	4.3	102.4	435.4
FINANCE, INSURANCE, AND REAL ESTATE	7.0	7.1	8.2	.1	1.1	+	+
SERVICES	37.2	38.9	43.8	1.7	4.9	+	+
GOVERNMENT	25.6	23.6	23.7	-2.0	.1	5.0	178.8

+ No downturn, 1979-1983.

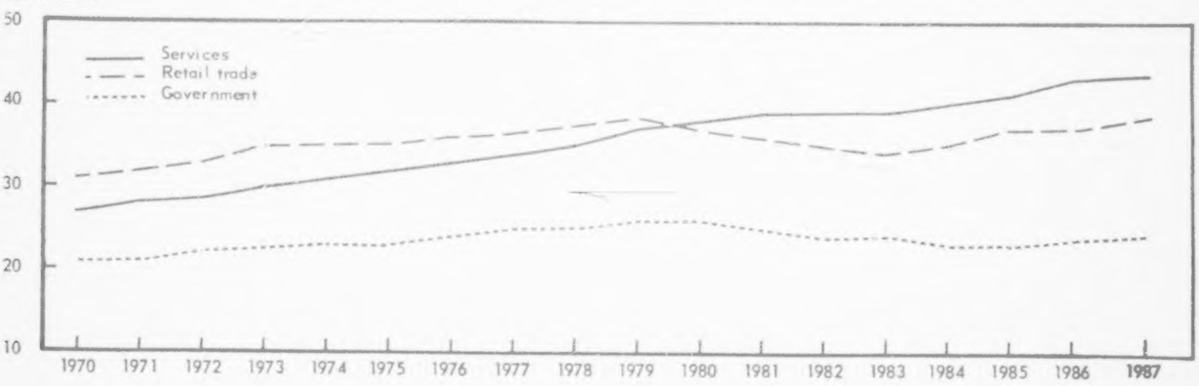
- No upturn, 1983-1987.



INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



YOUNGSTOWN-WARREN MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



YOUNGSTOWN-WARREN MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July[e]	August	September	October	November	December
TOTAL	188.1	183.9	184.3	185.2	187.4	189.6	190.8	183.4	185.5	191.8	191.8	191.9	191.5
MANUFACTURING	48.8	49.2	49.3	49.6	49.7	49.1	49.2	43.8	45.9	50.5	49.8	49.7	49.4
Durable Goods[b]	43.6	44.2	44.4	44.6	44.5	44.1	44.1	38.5	40.7	45.1	44.4	44.3	44.3
Primary metal industries	18.4	18.1	18.4	18.6	18.4	18.0	18.1	17.4	18.3	19.0	19.0	18.9	18.3
Blast furnace and basic steel products	5.6	5.5	5.7	5.8	5.5	5.5	5.6	5.6	5.5	5.5	5.5	5.6	5.6
Fabricated metal products	7.3	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.5
Machinery, except electrical	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.1	3.2	3.6
Electric and electronic equipment	2.3	2.4	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.2	2.2
Transportation equipment	8.9	10.0	9.5	9.6	9.8	9.5	9.5	4.0	5.9	9.6	9.5	9.6	9.5
Nondurable Goods[c]	5.2	5.0	5.0	5.0	5.2	5.0	5.0	5.2	5.2	5.4	5.4	5.4	5.1
NONMANUFACTURING[d]	139.3	134.7	134.9	135.6	137.8	140.5	141.7	139.6	139.6	141.3	142.0	142.1	142.1
CONSTRUCTION	7.3	5.5	5.4	5.7	6.7	7.5	8.0	8.3	8.5	8.3	8.5	8.0	7.3
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.5	7.5	7.5	7.5	7.6	7.7	7.1	7.6	7.7	7.7	7.6	7.6
Communication, electric, gas services	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
WHOLESALE TRADE	9.5	8.9	8.9	9.0	9.3	9.2	9.8	9.8	9.8	9.8	9.8	9.8	9.9
Wholesale trade durable goods	[illegible]	5.8	5.7	5.7	5.9	6.2	6.2	6.3	6.3	6.3	6.2	6.1	6.2
RETAIL TRADE	38.6	37.5	37.1	37.5	37.9	38.5	38.8	38.8	38.8	38.8	39.2	39.5	40.1
General merchandise stores	5.4	5.6	5.3	5.3	5.2	5.2	5.2	5.4	5.4	5.3	5.5	5.6	5.8
FINANCE, INSURANCE, AND REAL ESTATE	8.2	8.1	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2
Banking	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.8	2.8	2.8	2.8
SERVICES	43.8	42.3	42.6	42.7	43.6	44.1	44.3	44.7	44.1	45.2	44.4	43.9	43.8
Health services	19.4	19.0	19.0	19.1	18.8	19.3	19.5	19.6	19.8	19.6	19.7	19.6	19.6
Hospitals	10.1	10.0	10.0	10.0	10.1	10.1	10.1	10.4	10.1	10.1	10.0	10.1	10.1
GOVERNMENT	23.7	24.3	24.7	24.8	24.0	24.2	23.4	21.4	21.3	22.5	23.6	24.5	24.6
State government	4.0	4.0	4.1	4.4	4.0	4.4	4.3	3.6	3.4	3.3	3.9	4.3	4.4
State government education	2.5	2.5	2.9	2.9	2.6	2.9	2.8	2.0	1.8	1.8	2.5	2.8	2.9
State government, except education	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.5	1.5	1.5	1.5
Local government	17.6	18.1	18.3	18.4	18.0	18.2	17.5	15.8	15.8	17.1	17.6	18.1	18.1
Local government education	11.3	11.8	12.0	12.1	11.7	11.7	11.1	9.3	9.4	10.8	11.4	11.9	11.9
Local government, except education	6.3	6.3	6.3	6.3	6.2	6.2	6.4	6.4	6.4	6.3	6.2	6.2	6.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-8 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	187.1	183.6	182.6	183.4	186.6	189.8	189.4	186.7	186.1	189.2	190.3	188.7	188.9
MANUFACTURING	51.7	52.6	51.8	51.7	51.7	52.2	52.0	51.3	51.4	51.9	51.8	51.1	51.0
Durable Goods[b]	46.4	47.2	46.6	46.5	46.6	46.9	46.8	46.0	46.1	46.5	46.1	45.5	45.6
Primary metal industries	19.5	20.2	19.9	19.6	19.5	19.8	19.7	19.0	19.1	19.4	19.2	19.1	18.9
Blast furnace and basic steel products	6.2	6.4	6.4	6.4	6.3	6.4	6.4	6.2	6.0	5.9	5.9	5.9	5.7
Fabricated metal products	7.8	7.8	7.8	7.7	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.7	7.7
Machinery, except electrical	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7
Electric and electronic equipment	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.3
Transportation equipment	9.9	9.9	9.9	10.0	10.1	10.0	10.0	9.9	9.8	9.9	9.7	9.6	10.0
Nondurable Goods[c]	5.3	5.3	5.2	5.2	5.1	5.3	5.2	5.3	5.3	5.4	5.7	5.6	5.4
NONMANUFACTURING[d]	135.4	131.0	130.8	131.7	134.9	137.6	137.4	135.4	134.7	137.3	138.6	137.6	137.9
CONSTRUCTION	6.7	5.2	5.1	5.3	6.3	7.0	7.4	7.6	7.7	7.7	7.7	7.3	6.6
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.4	7.4	7.5	7.5	7.7	7.5	7.5	7.4	7.5	7.5	7.5	7.5
Communication, electric, gas services	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.1	3.1	3.0	3.1	3.0	3.0
WHOLESALE TRADE	9.0	8.6	8.6	8.6	8.9	9.2	9.3	9.3	9.0	9.0	9.2	8.9	9.0
Wholesale trade-durable goods	5.8	5.6	5.6	5.7	5.8	6.0	6.0	6.1	5.8	5.8	6.0	5.7	5.7
RETAIL TRADE	37.4	36.5	35.9	36.0	36.9	37.5	37.6	37.8	38.0	37.9	38.2	38.1	38.7
General merchandise stores	5.7	6.4	6.0	5.7	5.6	5.5	5.6	5.5	5.5	5.5	5.7	5.7	5.9
FINANCE, INSURANCE, AND REAL ESTATE	8.0	7.7	7.7	7.8	8.0	8.1	8.2	8.2	8.2	8.2	8.1	8.1	8.2
Banking	2.8	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.8
SERVICES	42.6	41.1	41.1	41.3	42.5	43.1	43.3	43.5	43.2	43.9	43.3	42.7	42.8
Health services	19.0	18.4	18.5	18.5	18.8	18.8	19.0	19.3	19.3	19.2	19.3	19.3	19.3
Hospitals	10.1	9.7	9.8	9.8	10.0	10.0	10.0	10.2	10.2	10.2	10.3	10.3	10.2
GOVERNMENT	23.5	23.9	24.4	24.5	24.1	24.5	23.4	21.0	20.6	22.7	23.9	24.5	24.7
State government	4.0	3.8	4.2	4.3	3.9	4.2	4.2	3.6	3.3	3.3	3.9	4.3	4.4
State government education	2.5	2.4	2.8	2.8	2.4	2.7	2.6	2.0	1.7	1.7	2.5	2.9	2.9
State government, except education	1.5	1.4	1.5	1.4	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.4	1.5
Local government	17.5	18.0	18.1	18.2	18.2	18.2	17.2	15.3	15.2	17.3	18.0	18.1	18.2
Local government education	11.1	11.6	11.8	11.9	11.7	11.8	10.6	8.8	8.7	10.9	11.6	11.7	11.8
Local government, except education	6.4	6.4	6.3	6.4	6.4	6.4	6.5	6.6	6.5	6.4	6.4	6.4	6.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-8 (1986)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$13.30	$13.49	$13.46	$13.39	$13.27	$13.25	$13.24	$12.90	$13.04	$13.43	$13.24	$13.37	$13.43
Durable Goods[b]	13.59	13.80	13.78	13.72	13.58	13.52	13.51	13.18	13.33	13.71	13.53	13.68	13.67
Primary metal industries	14.43	14.25	14.31	14.28	14.14	14.21	14.33	14.42	14.49	14.82	14.49	14.70	14.73
Blast furnace and basic steel products	13.84	14.22	14.13	14.04	13.83	13.78	13.86	13.59	13.72	13.73	13.71	13.72	13.78
Fabricated metal products	13.15	13.85	13.70	13.44	13.30	13.15	12.93	12.76	12.81	12.83	12.99	12.89	13.19
Machinery, except electrical	11.51	11.44	11.57	11.45	11.55	11.65	11.82	11.49	11.61	11.56	11.10	11.06	11.53
Electric and electronic equipment	10.88	10.67	10.70	10.74	10.76	10.73	10.70	10.94	10.96	11.08	11.19	11.14	10.98
Transportation equipment	14.68	15.13	15.04	15.08	14.88	14.72	14.62	13.79	13.97	14.40	14.24	14.62	14.66
Nondurable Goods[c]	10.19	9.96	9.89	9.69	9.92	10.35	10.32	10.41	10.28	10.39	10.34	10.23	10.55
TRANSPORTATION AND PUBLIC UTILITIES	13.47	13.24	13.20	13.22	13.28	13.26	13.51	13.69	13.72	13.73	13.59	13.58	13.62
Communication, electric, gas services ..													
WHOLESALE TRADE	8.97	8.79	8.88	8.83	8.96	8.88	8.91	8.95	8.93	9.04	9.07	9.15	9.26
RETAIL TRADE[d]	5.90	5.76	5.85	5.85	5.89	5.91	5.91	5.94	5.93	5.94	5.99	5.91	5.95

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-8 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.7	42.8	43.1	43.3	43.1	42.7	42.8	42.0	42.1	43.3	42.8	42.4	41.7
Durable Goods[b]	42.9	43.1	43.4	43.6	43.4	43.0	43.1	42.2	42.3	43.5	42.8	42.5	42.0
Primary metal industries	42.8	42.4	42.8	42.7	42.9	41.9	42.6	42.2	43.1	44.9	43.0	43.0	41.9
Blast furnace and basic steel products	45.3	44.4	45.2	45.0	46.1	44.0	46.1	44.7	45.2	46.2	45.7	45.6	45.9
Fabricated metal products	41.1	42.4	42.6	42.1	41.2	41.3	41.3	41.0	40.0	39.8	40.8	40.4	40.4
Machinery, except electrical	41.9	41.0	41.7	42.0	41.2	43.3	43.8	41.8	41.6	40.6	41.3	42.4	41.6
Electric and electronic equipment	39.9	38.8	38.5	38.9	40.8	39.9	40.6	39.7	39.4	37.8	40.3	42.1	42.5
Transportation equipment	46.1	47.4	47.0	48.6	48.1	47.2	46.4	45.8	44.3	45.9	45.3	43.4	43.0
Nondurable Goods[c]	40.4	39.1	40.1	40.8	40.2	40.2	40.6	40.3	40.1	41.3	41.9	41.2	39.1
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	40.3	39.7	39.6	39.7	40.7	40.4	41.0	40.8	40.6	40.6	40.3	39.8	40.4
WHOLESALE TRADE	38.1	38.8	38.3	38.0	37.8	38.3	38.4	38.1	37.5	37.8	37.6	38.7	38.2
RETAIL TRADE	29.3	29.2	29.2	29.0	29.1	29.6	29.4	29.5	29.3	29.4	29.3	28.8	30.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-3-8 (1987)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$567.91	$577.37	$580.13	$579.79	$571.94	$565.78	$566.67	$541.80	$548.98	$581.52	$566.67	$566.89	$560.03
Durable Goods[b]	583.01	594.78	598.05	598.19	589.37	581.36	582.28	556.20	563.86	596.39	579.08	581.40	574.14
Primary metal industries	617.60	604.20	612.47	609.76	606.61	595.40	610.46	608.52	624.52	665.42	623.07	632.10	617.19
Blast furnace and basic steel products	626.95	631.37	638.68	631.80	637.56	606.32	638.95	607.47	620.14	634.33	626.55	625.63	632.50
Fabricated metal products	540.47	587.24	583.62	565.82	547.96	543.10	534.01	523.16	512.40	510.63	529.99	520.76	532.88
Machinery, except electrical	482.27	469.04	482.47	480.90	475.86	504.45	517.72	480.28	482.98	469.34	458.43	468.94	479.65
Electric and electronic equipment	434.11	414.00	411.95	417.79	439.01	428.13	434.42	434.32	431.82	418.82	450.96	468.99	466.65
Transportation equipment	676.75	717.16	706.88	732.89	715.73	694.78	678.37	631.58	618.87	660.96	645.07	634.51	630.38
Nondurable Goods[c]	411.68	389.44	396.59	395.35	398.78	416.07	418.99	419.52	412.23	429.11	433.25	421.48	412.51
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	542.84	525.63	522.72	524.83	540.50	535.70	553.91	558.55	557.03	557.44	547.68	540.48	550.25
WHOLESALE TRADE	341.76	341.05	340.10	335.54	338.69	340.10	342.14	341.00	334.88	341.71	341.03	354.11	353.73
RETAIL TRADE[d]	172.87	168.19	170.82	169.65	171.40	174.94	173.75	175.23	173.75	174.64	175.51	170.21	179.10

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneus manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-2-8 (1987)

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of
Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	58
Construction	11
Transportation and Public Utilities	43
Wholesale Trade	15
Retail Trade	20
Finance, Insurance, and Real Estate	32
Services	36
Government	70

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark. Employment data for 1987 will be revised at the next benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

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Labor Market Review

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Ohio
Labor
Market
Information

Labor Market Review

August 1988

Summary. Ohio's seasonally adjusted unemployment rate was 5.6 percent in August, up from 5.3 percent in July. The U.S. rate was also 5.6 percent in August, compared with 5.4 percent in July. The number of unemployed Ohioans rose 19,000 from July, to 298,000 in August, while total employment advanced 27,000 to reach 5,000,000. Seasonally adjusted nonagricultural payroll employment in Ohio increased 9,000 from July, to 4,696,000 in August, largely due to hiring in services and retail trade. (See page 3.)

Factory Employment. Manufacturing employment in Ohio, at 1,099,000 in August, was unchanged from July. Employment in durable-goods industries increased 1,000, to 737,000, as declines in fabricated structural metal products and motor vehicles and equipment were offset by improvements in nonferrous rolling and drawing mills and electrical industrial apparatus. Nondurable-goods employment declined 1,000, to 362,000. Employment in preserved fruits and vegetables registered less than normal gains due to the drought.

Nonmanufacturing. Nonmanufacturing employment in Ohio rose 9,000 from July, to 3,597,000 in August. Noteworthy advances were reported in services (up 4,000) and in retail trade (up 3,000). Gains in business and health services and in eating and drinking places and general merchandise stores accounted for most of the increase. Wholesale trade and finance, insurance, and real estate were up 1,000 each. All other nonmanufacturing divisions had the same employment in August as in July.

Over the Year. Ohio's unemployment rate fell from 6.9 percent in August 1987 to 5.6 percent in August 1988, as the number of unemployed workers declined 63,000. Total employment rose 127,000 over the year. The national unemployment rate dropped from 6.0 percent in August 1987 to 5.6 percent in August 1988. Nonagricultural wage and salary employment in Ohio was up 107,000 from August 1987. Services gained 42,000 jobs, while retail trade added 26,000. Construction also improved notably, with an increase of 14,000. All other nonmanufacturing divisions had small gains, except mining, which declined 1,000. Manufacturing employment was 4,000 higher than in August 1987, due to advances of 2,000 in both durable- and nondurable-goods industries.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $507.88 per week in August, up $5.36 from July. Their average workweek increased .2 hours, to 42.5 hours. Increased overtime boosted earnings in several industries. The most significant were motor vehicles and equipment, iron and steel foundries, metal forgings and stampings, and miscellaneous plastics products.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 50,357 in August, down 2.8 percent from July, and down 6.7 percent from August 1987.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Ellen O'Brien Saunders, Administrator

Total benefits paid increased 8.6 percent from July, to $39.1 million. The average benefit check of $151.17 was $1.77 higher. The average weekly number of benefit recipients rose 1.4 percent, to 58,646. There were 200,659 active employer accounts at the end of August.

Employment Service. The Ohio Bureau of Employment Services aided 41,677 new job applicants in August, up 8.3 percent from July and up 3.4 percent from August 1987. There were 20,060 job openings received from employers, up 10.1 percent from July and up 19.1 percent from August 1987. The Employment Services Division made 35,536 referrals and 10,279 placements.

Save Money, Hire A Vet

The Veterans' Job Training Act Program was created to help industry fill permanent positions that involve at least six months of significant training of Korean conflict and Vietnam-era veterans.

- Employers are provided with 50 percent of the starting wage, up to $10,000 per veteran, when they hire and train veterans in a growth industry or a technology-based or demand occupation.
- Training is funded for six to nine months.
- Half the cost of training, up to $10,000, paid directly to the employer, is invoiced quarterly. Small businesses can arrange to invoice monthly.

Contact your nearest local OBES office for further information.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Aug. 1988	Jul. 1988	Aug. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,298	5,252	5,234	46	64	0.9	1.2
Employment	5,000	4,973	4,873	27	127	0.5	2.6
Unemployment	298	279	361	19	-63	6.8	-17.5
Unemployment Rate	5.6	5.3	6.9				
Employer Survey Data[e]							
Total	4,696	4,687	4,589	9	107	0.2	2.3
Manufacturing	1,099	1,099	1,095	0	4	0.0	0.4
Durable Goods	737	736	734	1	2	0.1	0.3
Nondurable Goods	362	363	360	-1	2	-0.2	0.5
Nonmanufacturing	3,597	3,588	3,494	9	102	0.2	2.9
Mining	20	20	21	0	-1	0.5	-2.9
Construction	191	191	177	0	14	-0.1	7.8
Transportation and Public Utilities	210	210	207	0	3	0.1	1.2
Wholesale Trade	257	256	250	1	7	0.3	2.9
Retail Trade	875	873	850	3	26	0.3	3.0
Finance, Insurance, and Real Estate	252	251	245	1	7	0.4	2.9
Services	1,098	1,094	1,057	4	42	0.4	3.9
Government	693	693	688	0	5	0.0	0.8
Goods Producing Industries[f]	1,310	1,310	1,293	0	17	0.0	1.3
Service Producing Industries[g]	3,386	3,377	3,296	9	89	0.3	2.7

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force Total	Employed	Unemployed	Unemployment Rate Ohio	Unemployment Rate US	
					1986
5,194	4,773	421	8.1	6.9	August
5,174	4,737	437	8.4	7.0	September
5,230	4,813	417	8.0	6.9	October
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February
5,369	4,958	411	7.7	5.6	March
5,277	4,945	332	6.3	5.4	April
5,268	4,922	326	6.2	5.6	May
5,271	4,959	312	5.9	5.3	June
5,252	4,973	279	5.3	5.4	July
5,298	5,000	298	5.6	5.6	August

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing	Durable	Nondurable
1986				
August	4,481	1,107	750	357
September	4,484	1,098	742	356
October	4,495	1,098	740	358
November	4,509	1,102	744	358
December	4,521	1,103	745	357
1987				
January	4,532	1,096	740	356
February	4,549	1,099	742	357
March	4,552	1,093	737	356
April	4,552	1,096	738	357
May	4,560	1,094	736	357
June	4,568	1,092	735	357
July	4,567	1,082	725	358
August	4,589	1,095	734	360
September	4,597	1,097	737	360
October	4,610	1,097	736	361
November	4,626	1,100	738	362
December	4,639	1,103	739	364
1988				
January	4,654	1,104	739	366
February	4,665	1,102	737	364
March	4,667	1,096	732	364
April	4,667	1,099	736	363
May	4,673	1,099	736	362
June	4,682	1,100	737	363
July	4,687	1,099	736	363
August	4,696	1,099	737	362

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
					1986				
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694
3,568	20	191	209	254	April	868	250	1084	693
3,574	20	190	209	254	May	869	250	1088	693
3,582	20	191	209	256	June	870	250	1092	694
3,588	20	191	210	256	July	873	251	1094	693
3,597	20	191	210	257	August	875	252	1098	693

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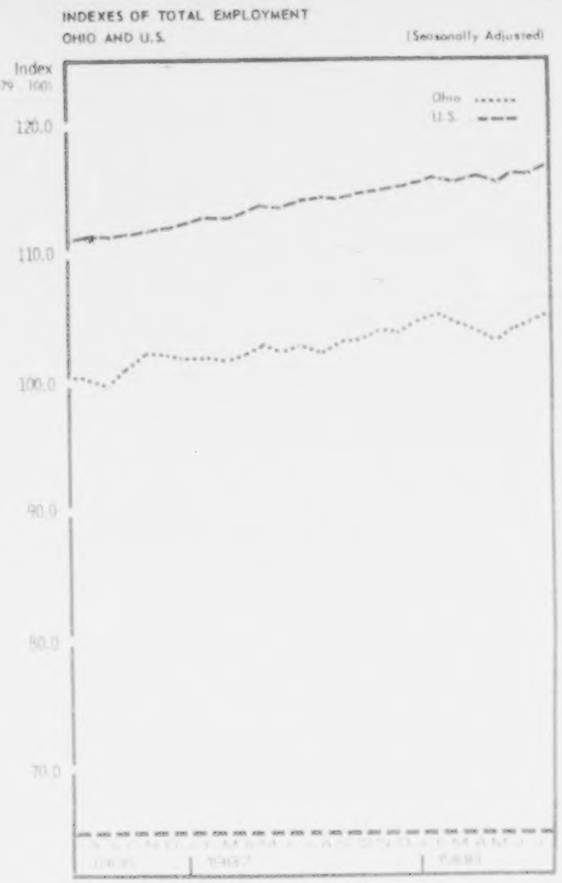
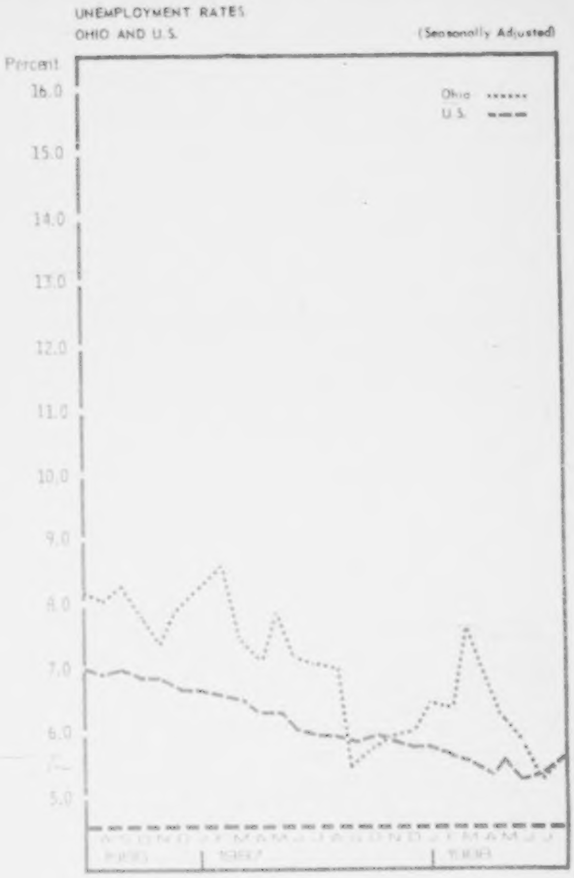
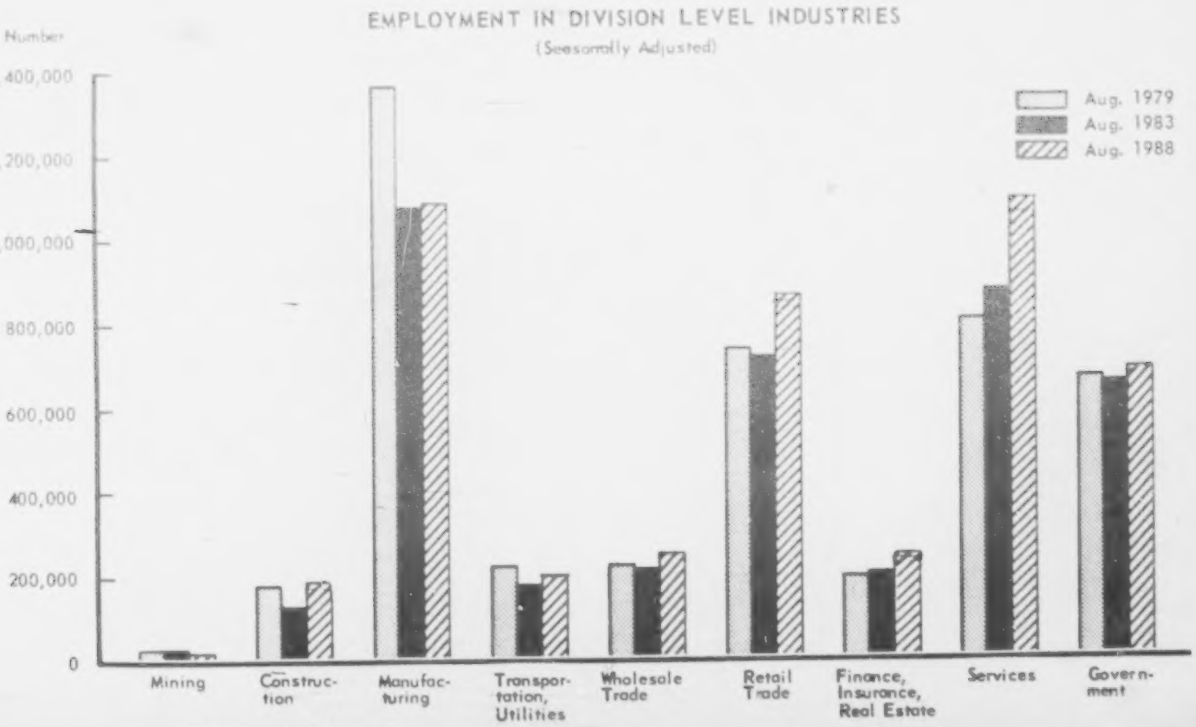
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.


INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)
Index
(1979 = 100)
120.0
110.0
100.0
90.0
80.0
70.0
Ohio
U.S.
A S O N D J F M A M J J A S O N D J F M A M J J
1986
1987
1988


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)
Percent
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
Ohio
U.S.
A S O N D J F M A M J J A S O N D J F M A M J J
1986
1987
1988


EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Aug. 1979
Aug. 1983
Aug. 1988
Mining
Construction
Manufacturing
Transportation, Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,231	4,806	425	8.1	7.0	1986
5,248	4,881	367	7.0	6.2	1987
					1987
5,289	4,924	365	6.9	5.8	August
5,190	4,903	288	5.5	5.7	September
5,243	4,940	302	5.8	5.7	October
5,285	4,980	305	5.8	5.6	November
5,259	4,937	322	6.1	5.4	December
					1988
5,258	4,883	375	7.1	6.3	January
5,279	4,905	374	7.1	6.2	February
5,295	4,879	416	7.9	5.9	March
5,257	4,941	316	6.0	5.3	April
5,243	4,941	302	5.8	5.4	May
5,325	5,002	323	6.1	5.5	June
5,336	5,064	272	5.1	5.5	July
5,343	5,044	299	5.6	5.4	August

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural			
		Manufacturing		
			Durable	Nondurable
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,471.4	1,109.8	752.7	357.1
1987	4,578.9	1,095.3	736.4	358.9
1987				
August	4,591.0	1,097.5	733.6	363.9
September	4,641.3	1,108.3	742.1	366.2
October	4,658.8	1,099.8	736.4	363.4
November	4,674.2	1,103.7	740.2	363.6
December	4,676.9	1,102.9	738.6	364.3
1988				
January	4,565.8	1,094.5	732.6	361.9
February	4,568.8	1,092.4	732.3	360.1
March	4,595.8	1,088.8	729.0	359.7
April	4,653.9	1,097.7	737.1	360.6
May	4,704.6	1,099.7	738.4	361.3
June	4,728.6	1,106.7	742.1	364.7
July	4,692.8	1,100.0	736.6	363.3
August	4,699.6	1,101.7	736.0	365.7

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
					1987				
3,493.5	21.1	196.8	209.1	251.1	August	858.1	247.2	1,068.6	641.4
3,533.0	21.4	196.4	209.3	251.2	September	861.1	246.1	1,074.7	672.7
3,559.0	20.7	198.6	210.0	252.4	October	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	November	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
					1988				
3,471.3	20.1	163.5	203.3	250.9	January	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	February	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	March	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	April	857.3	248.6	1,085.1	705.8
3,605.0	19.9	191.0	209.3	255.3	May	870.9	250.1	1,098.0	710.5
3,621.9	20.3	200.1	210.9	257.6	June	877.4	252.5	1,109.4	693.7
3,592.8	20.5	209.0	211.2	257.9	July	878.8	253.9	1,108.4	653.2
3,597.9	20.6	212.2	211.7	258.3	August	883.9	254.5	1,110.5	646.3

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Manufacturing	Durable Goods	Nondurable Goods	
1,344.1	945.2	398.9	1977
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,124.3	768.7	355.5	1985
1,109.8	752.7	357.1	1986
1,095.3	736.4	358.9	1987
			1987
1,097.5	733.6	363.9	August
1,108.3	742.1	366.2	September
1,099.8	735.4	363.4	October
1,103.7	740.2	363.6	November
1,102.9	738.6	364.3	December
			1988
1,094.5	732.6	361.9	January
1,092.4	732.3	360.1	February
1,088.8	729.0	359.7	March
1,097.7	737.1	360.6	April
1,099.7	738.4	361.3	May
1,106.7	742.1	364.7	June
1,100.0	736.6	363.3	July
1,101.7	736.0	365.7	August

Production Workers in Manufacturing

	Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1977	958.0	$271.2	40.2
1978	985.5	302.5	41.5
1979	979.0	318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.4	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.5	369.1	31.9
1987	748.5	374.0	31.9
1987			
August	749.2	368.9	31.7
September	760.8	380.5	32.4
October	753.7	380.3	32.3
November	759.0	388.2	32.8
December	758.6	388.9	32.8
1988			
January	750.1	380.6	32.1
February	748.5	376.4	31.7
March	744.5	378.6	31.8
April	752.3	388.8	32.4
May	754.3	389.5	32.4
June	759.3	396.2	32.9
July	751.9	377.8	31.8
August	753.6	382.7	32.0

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$283.08	$292.02	$258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
			1987
492.17	510.00	453.36	August
500.12	516.67	461.92	September
504.50	524.02	461.07	October
511.49	531.57	466.90	November
512.67	532.36	469.27	December
			1988
507.61	527.11	464.45	January
502.86	525.16	454.27	February
508.56	530.56	460.74	March
516.86	538.22	465.89	April
516.43	540.27	460.90	May
521.77	547.87	464.62	June
502.52	521.85	461.47	July
507.88	526.87	464.67	August

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
			1987
42.3	42.5	41.9	August
42.6	42.7	42.3	September
42.9	43.2	42.3	October
43.2	43.5	42.6	November
43.3	43.6	42.7	December
			1988
42.8	43.1	42.3	January
42.4	42.8	41.6	February
42.7	43.1	42.0	March
43.0	43.3	42.2	April
43.0	43.5	41.9	May
43.3	43.9	42.2	June
42.3	42.6	41.8	July
42.5	42.8	41.9	August

Production Workers Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1977	$6.74	$6.92	$6.24
1978	7.29	7.49	6.73
1979	7.84	8.05	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.37
1987	11.73	12.11	10.86
1987			
August	11.64	12.00	10.82
September	11.74	12.10	10.92
October	11.76	12.13	10.90
November	11.84	12.22	10.96
December	11.84	12.21	10.99
1988			
January	11.86	12.23	10.96
February	11.86	12.27	10.92
March	11.91	12.31	10.97
April	12.02	12.43	11.04
May	12.01	12.42	11.00
June	12.05	12.48	11.01
July	11.88	12.25	11.04
August	11.95	12.31	11.09

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*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.7	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.9	97.7	134.0	July	157.3	84.7	139.5	July	63.4	71.1	93.4
48.9	98.3	133.1	August	156.9	85.4	138.6	August	64.6	71.7	93.8

Average Weekly Earnings of Production Workers

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
461.78	619.10	503.79	August	511.17	465.92	657.05	August	464.77	448.67	442.66

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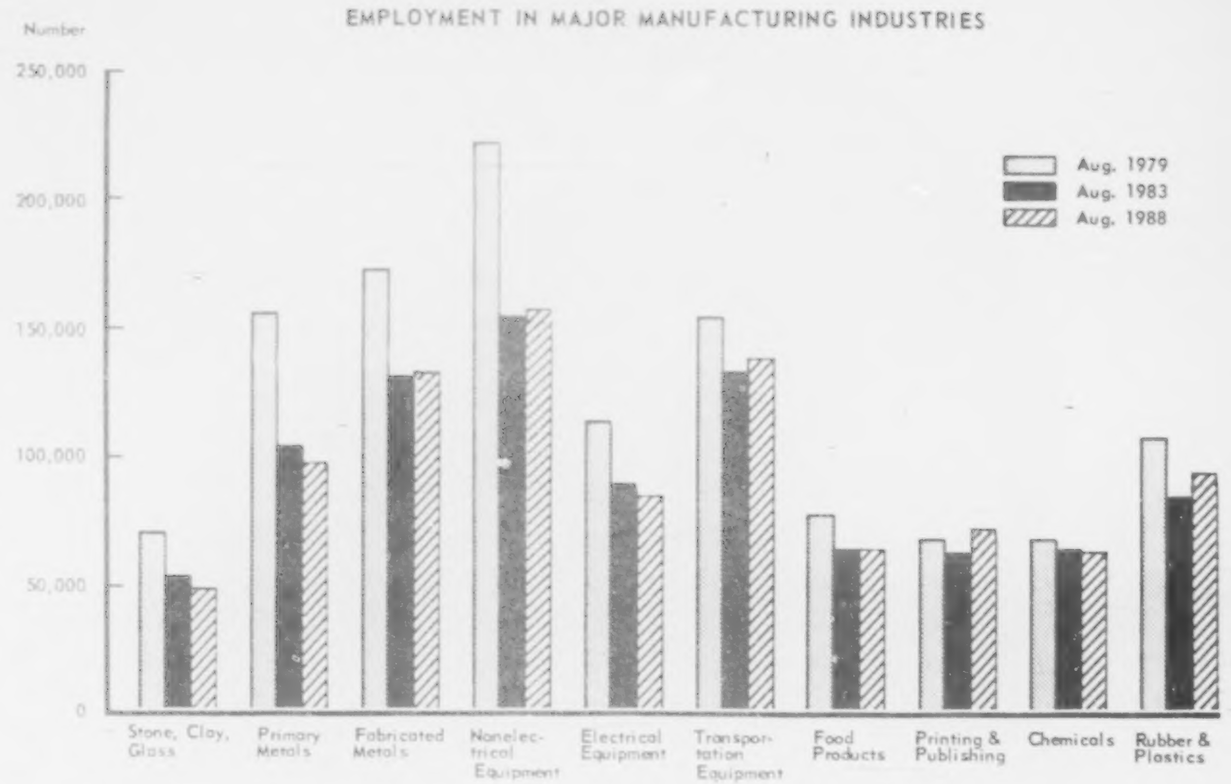
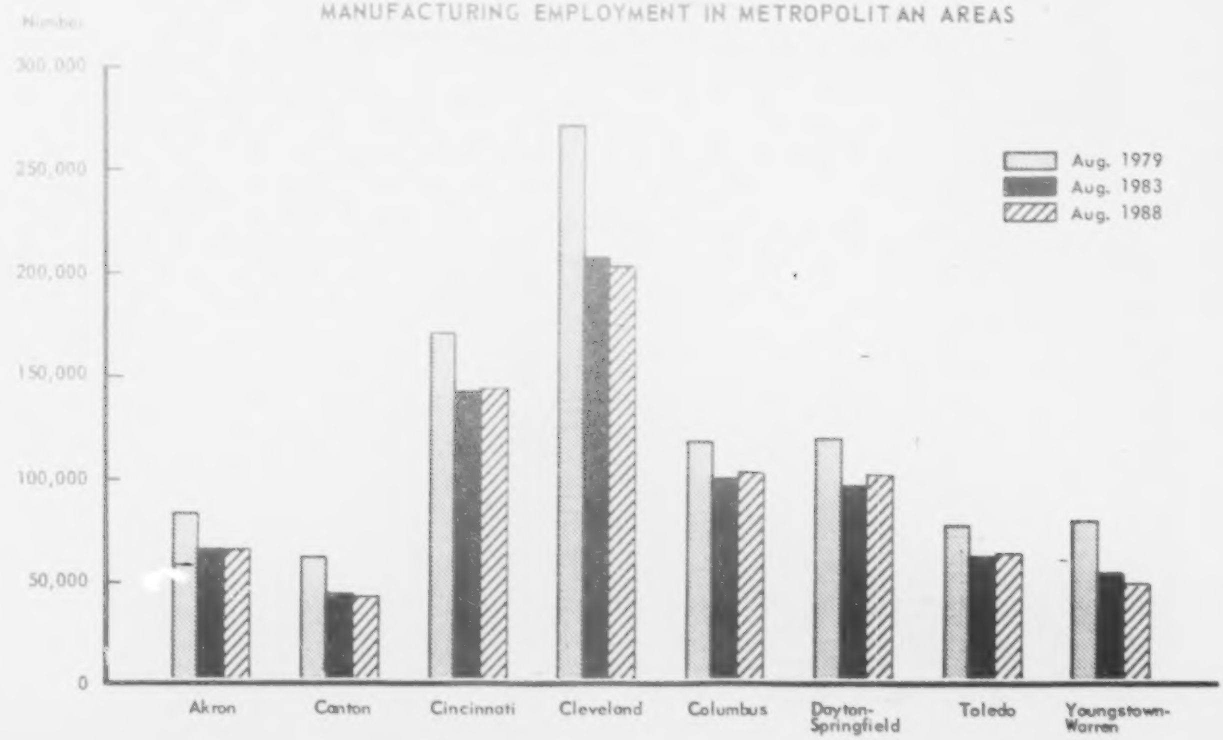
[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.


EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES
Number
250,000
200,000
150,000
100,000
50,000
0
Aug. 1979
Aug. 1983
Aug. 1988
Stone, Clay, Glass
Primary Metals
Fabricated Metals
Nonelectrical Equipment
Electrical Equipment
Transportation Equipment
Food Products
Printing & Publishing
Chemicals
Rubber & Plastics


MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS
Number
300,000
250,000
200,000
150,000
100,000
50,000
0
Aug. 1979
Aug. 1983
Aug. 1988
Akron
Canton
Cincinnati
Cleveland
Columbus
Dayton-Springfield
Toledo
Youngstown-Warren

Nonagricultural Wage & Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	4699.6	4692.8	4591.0	6.8	108.6
MANUFACTURING	1101.7	1100.0	1097.5	1.7	4.2
Durable Goods[e]	736.0	736.6	733.6	-.6	2.4
Lumber and wood products	22.8	22.6	20.5	.2	2.3
Furniture and fixtures	14.2	14.5	14.6	-.3	-.5
Stone, clay, and glass products	48.9	48.9	48.5	.1	.4
Glass and glassware, pressed or blown	9.6	9.5	9.8	.1	-.3
Primary metal industries	98.3	97.7	95.3	.6	3.0
Blast furnace and basic steel products	45.3	45.3	43.0	.0	2.2
Iron and steel foundries	20.7	20.8	19.8	-.1	.9
Nonferrous rolling and drawing	17.4	16.7	17.2	.8	.2
Fabricated metal products	133.1	134.0	132.8	-.9	.4
Cutlery, hand tools, and hardware	9.7	9.8	9.5	-.1	.2
Fabricated structural metal products	27.7	28.5	29.5	-.8	-1.9
Metal forgings and stampings	41.8	42.1	41.3	-.2	.5
Machinery, except electrical	156.9	157.3	153.8	-.4	3.0
Construction and related machinery	12.8	12.8	12.2	.1	.6
Metalworking machinery	40.3	40.3	39.7	.0	.5
Special industry machinery	17.7	17.4	16.4	.3	1.3
General industrial machinery	27.7	27.8	27.4	-.1	.3
Office and computing machines	13.1	13.4	13.7	-.3	-.6
Refrigeration and service machinery	15.4	15.8	16.1	-.3	-.7
Electric and electronic equipment	85.4	84.7	85.4	.8	.1
Electrical industrial apparatus	16.9	16.1	15.9	.8	1.0
Household appliances	15.4	15.6	16.0	-.2	-.6
Electric lighting and wiring equipment	16.8	16.7	16.6	.1	.2
Communication equipment	10.1	10.0	10.2	.1	-.1
Transportation equipment	138.6	139.5	145.6	-.9	-7.0
Motor vehicles and equipment	90.6	91.5	91.8	-.9	-1.2
Aircraft and parts	39.3	39.4	44.1	-.1	-4.8
Instruments and related products	23.5	23.2	23.0	.3	.6
Measuring and controlling devices	12.8	12.7	12.8	.1	.0
Nondurable Goods[f]	365.7	363.3	363.9	2.3	1.8
Food and kindred products	64.6	63.4	67.1	1.3	-2.5
Meat products	9.4	9.3	9.5	.2	.0
Dairy products	11.1	11.1	10.6	.0	.5
Preserved fruits and vegetables	11.0	10.2	13.8	.9	-2.8
Bakery products	9.3	9.2	9.1	.0	.1
Beverages	9.8	9.7	9.8	.0	-.1
Apparel and other textile products	16.5	16.3	15.9	.1	.6
Paper and allied products	37.4	37.6	36.9	-.2	.5
Misc. converted paper products	12.2	12.1	12.0	.1	.3
Paperboard containers and boxes	13.1	13.2	12.8	-.1	.3
Printing and publishing	71.7	71.1	70.9	.6	.9
Newspapers	19.3	19.3	19.4	.0	-.1
Commercial printing	26.5	26.3	26.2	.2	.3
Chemicals and allied products	64.5	64.4	63.7	.1	.7
Industrial inorganic chemicals	9.3	9.3	9.3	.0	.0
Rubber and misc. plastics products	93.8	93.4	92.4	.4	1.4
Tires and inner tubes	17.2	17.2	17.3	.0	-.2
Miscellaneous plastics products	55.9	55.5	54.8	.3	1.1

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3597.9	3592.8	3493.5	5.1	104.4
MINING	20.6	20.5	21.1	.0	- .6
Bituminous coal and lignite mining	8.5	8.5	9.3	.0	- .8
Oil and gas extraction	6.9	7.0	6.8	- .1	.1
CONSTRUCTION	212.2	209.0	196.8	3.2	15.4
General building contractors	52.8	52.6	48.8	.2	4.0
Heavy construction contractors	30.1	29.6	27.9	.5	2.2
Highway and street construction	14.5	14.2	12.8	.3	1.7
Special trade contractors	129.3	126.8	120.1	2.5	9.1
TRANSPORTATION AND PUBLIC UTILITIES	211.7	211.2	209.1	.5	2.5
Railroad transportation	13.6	13.6	14.4	.0	- .8
Transportation, except railroads	108.0	107.6	104.9	.5	3.2
Trucking and warehousing	74.6	74.3	73.3	.3	1.3
Communication, electric, gas services	90.1	90.1	89.9	.0	.2
Communication	47.7	47.7	47.4	.0	.3
Electric, gas, and sanitary services	42.3	42.4	42.5	.0	- .1
WHOLESALE TRADE	258.3	257.9	251.1	.4	7.2
Wholesale trade-durable goods	162.4	161.9	157.8	.4	4.6
Motor vehicles & automotive equipment	22.4	22.4	21.9	.0	.5
Electrical goods	19.5	19.6	19.2	- .1	.3
Machinery, equipment, and supplies	69.2	69.0	67.7	.2	1.6
Wholesale trade-nondurable goods	95.9	96.0	93.3	.0	2.6
Groceries and related products	30.2	30.1	29.2	.1	1.0
RETAIL TRADE	883.9	878.8	858.1	5.1	25.8
General merchandise stores	118.1	116.9	116.6	1.2	1.5
Department stores	102.3	101.5	101.4	.8	.9
Food stores	134.9	134.3	131.7	.6	3.2
Automotive dealers & service stations	97.5	97.2	94.5	.3	3.0
Apparel and accessory stores	44.2	43.3	41.6	.9	2.6
Eating and drinking places	315.1	313.6	307.0	1.6	8.1
FINANCE, INSURANCE, AND REAL ESTATE	254.5	253.9	247.2	.6	7.2
Banking	65.1	64.9	63.9	.2	1.1
Credit agencies other than banks	38.4	38.7	37.8	- .2	.6
Insurance carriers	69.7	69.4	68.3	.2	1.4
Life insurance	25.7	25.6	25.8	.1	- .1
Fire, marine, and casualty insurance	31.2	31.1	30.1	.0	1.1
SERVICES	1110.5	1108.4	1068.6	2.2	42.0
Hotels and other lodging places	37.7	37.3	37.1	.3	.5
Personal services	58.1	57.8	55.8	.2	2.3
Laundry, cleaning, & garment services	19.3	19.3	18.8	.1	.5
Business services	228.5	227.0	214.4	1.4	14.0
Services to buildings	32.2	32.0	30.1	.2	2.1
Computer and data processing services	21.0	20.9	18.9	.1	2.1
Amusement and recreation services	55.7	55.3	54.4	.4	1.3
Health services	373.8	373.4	364.6	.4	9.2
Nursing and personal care facilities	83.4	82.7	80.8	.7	2.6
Hospitals	180.0	180.4	178.7	- .4	1.3
Educational services	48.6	49.5	47.5	- 1.0	1.1
Colleges and universities	23.7	24.2	22.9	- .5	.8
GOVERNMENT	646.3	653.2	641.4	- 6.8	4.9
Federal government	94.9	94.8	95.2	.1	- .3
State government	137.2	139.9	133.9	- 2.7	3.2
State government education[1]	59.6	62.9	57.3	- 3.2	2.3
State government, except education	77.6	77.0	76.6	.5	1.0
Local government	414.3	418.5	412.3	- 4.2	2.0
Local government education	219.9	222.8	219.1	- 2.9	.8
Local government, except education	194.4	195.7	193.3	- 1.3	1.1

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$507.88	$502.52	$492.37	42.5	42.3	42.3	$11.95	$11.88	$11.64
Durable Goods[e]	526.87	521.85	510.00	42.8	42.6	42.5	12.31	12.25	12.00
Lumber and wood products	315.88	319.90	300.94	41.4	41.6	41.0	7.63	7.69	7.34
Furniture and fixtures	382.13	367.43	363.58	41.9	41.1	41.6	9.12	8.94	8.74
Stone, clay, and glass products	461.78	458.53	440.96	42.6	42.3	41.6	10.84	10.84	10.60
Glass and glassware, pressed or blown	503.96	495.85	460.69	43.0	42.2	40.2	11.72	11.75	11.46
Primary metal industries	619.10	607.31	603.90	44.7	44.2	44.7	13.85	13.74	13.51
Blast furnace and basic steel products	649.29	648.99	628.24	45.5	45.8	45.1	14.27	14.17	13.93
Iron and steel foundries	628.70	590.44	623.76	44.4	42.6	45.2	14.16	13.86	13.80
Nonferrous rolling and drawing	620.08	615.94	610.30	41.7	41.2	42.5	14.87	14.95	14.36
Fabricated metal products	503.79	498.80	484.26	42.3	42.2	42.0	11.91	11.82	11.53
Cutlery, hand tools, and hardware	478.36	472.80	460.85	40.3	40.0	39.9	11.87	11.82	11.55
Fabricated structural metal products	456.65	458.15	474.64	42.4	42.5	44.4	10.77	10.78	10.69
Metal forgings and stampings	618.88	608.14	578.98	43.4	43.1	42.2	14.26	14.11	13.72
Machinery, except electrical	511.17	517.65	489.41	43.1	43.5	42.3	11.86	11.90	11.57
Construction and related machinery	431.34	429.70	397.40	42.0	41.8	39.9	10.27	10.28	9.96
Metalworking machinery	497.45	505.79	475.76	44.1	44.8	42.9	11.28	11.29	11.09
Special industry machinery	486.92	523.22	480.25	42.9	45.3	42.5	11.35	11.55	11.30
General industrial machinery	523.70	524.06	502.98	42.2	42.4	41.5	12.41	12.36	12.12
Office and computing machines	463.19	460.08	442.53	42.3	42.6	44.7	10.95	10.80	9.90
Refrigeration and service machinery	596.39	591.16	537.25	43.5	42.9	41.2	13.71	13.78	13.04
Electric and electronic equipment	465.92	457.56	458.43	41.6	41.0	41.3	11.20	11.16	11.10
Electrical industrial apparatus	488.40	464.58	482.85	44.4	42.7	43.5	11.00	10.88	11.10
Household appliances	486.81	474.38	474.66	40.5	40.1	40.5	12.02	11.83	11.72
Electric lighting and wiring equipment	476.51	458.61	442.49	41.4	40.3	39.9	11.51	11.38	11.09
Communication equipment	465.23	482.86	483.18	39.9	41.2	40.4	11.66	11.72	11.96
Transportation equipment	657.05	639.64	628.00	43.6	42.9	43.4	15.07	14.91	14.47
Motor vehicles and equipment	685.08	658.94	643.44	44.0	42.9	43.3	15.57	15.36	14.86
Aircraft and parts	591.82	601.34	606.76	42.7	43.2	44.0	13.86	13.92	13.79
Instruments and related products	366.03	370.40	371.78	39.7	40.0	40.9	9.22	9.26	9.09
Measuring and controlling devices	357.89	359.21	355.03	38.4	38.5	39.1	9.32	9.33	9.08
Nondurable Goods[f]	464.67	461.47	453.36	41.9	41.8	41.9	11.09	11.04	10.82
Food and kindred products	464.77	447.30	435.11	42.6	42.0	42.7	10.91	10.65	10.19
Meat products	371.90	374.67	378.78	40.6	41.4	41.9	9.16	9.05	9.04
Dairy products	460.73	465.21	469.57	42.7	43.6	43.6	10.79	10.67	10.77
Preserved fruits and vegetables	490.48	459.95	416.38	43.1	41.4	43.6	11.38	11.11	9.55
Bakery products	469.24	467.25	462.04	39.8	39.8	39.9	11.79	11.74	11.58
Beverages	456.22	470.24	450.64	42.4	43.3	43.0	10.76	10.86	10.48
Apparel and other textile products	293.53	292.79	290.97	39.4	39.3	38.9	7.45	7.45	7.48
Paper and allied products	484.34	496.13	499.97	43.4	44.1	44.6	11.16	11.25	11.21
Misc. converted paper products	429.41	464.27	468.59	43.2	44.9	44.5	9.94	10.34	10.53
Paperboard containers and boxes	429.24	428.66	435.02	42.0	42.4	43.2	10.22	10.11	10.07
Printing and publishing	448.67	440.27	432.06	39.6	39.1	39.1	11.33	11.26	11.05
Newspapers	369.99	371.07	359.14	34.1	34.2	34.4	10.85	10.85	10.44
Commercial printing	451.95	432.12	433.35	40.9	39.9	40.5	11.05	10.83	10.70
Chemicals and allied products	552.47	554.65	531.29	42.4	42.6	41.9	13.03	13.02	12.68
Industrial inorganic chemicals	584.64	567.74	598.13	43.5	42.4	43.5	13.44	13.39	13.75
Rubber and misc. plastics products	442.66	434.70	443.65	42.4	42.0	42.7	10.44	10.35	10.39
Tires and inner tubes	689.41	675.19	653.16	46.3	45.9	45.9	14.89	14.71	14.23
Miscellaneous plastics products	421.93	413.17	422.52	41.9	41.4	42.0	10.07	9.98	10.06

See footnotes on page 13.

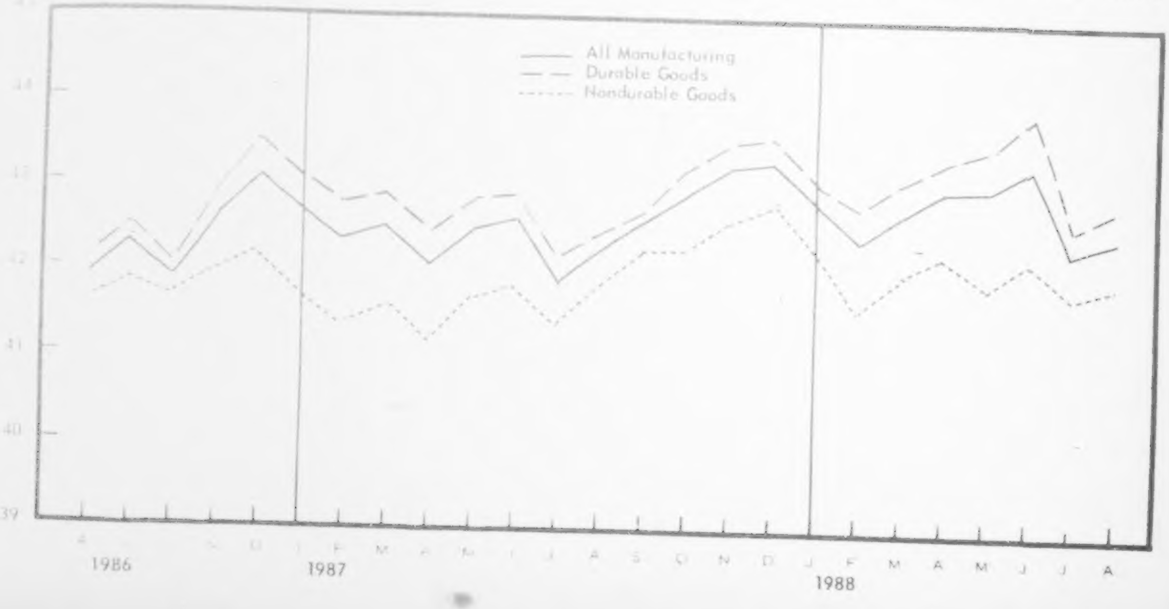
Hours & Earnings of Production or Nonsupervisory Workers[a]

Ohio (continued)

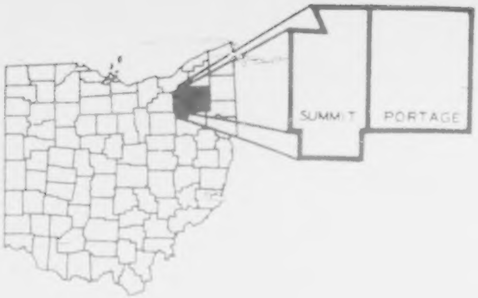
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MINING	$560.16	$536.21	$545.10	43.9	43.0	43.4	$12.76	$12.47	$12.56
Bituminous coal and lignite mining	683.14	630.59	662.28	43.1	40.5	42.7	15.85	15.57	15.51
CONSTRUCTION	596.69	600.40	577.60	39.7	40.0	39.4	15.03	15.01	14.66
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	587.81	573.09	560.88	41.6	41.2	41.0	14.13	13.91	13.68
Communication	572.11	547.56	555.42	41.1	40.5	40.9	13.92	13.52	13.58
Electric, gas, and sanitary services	605.40	604.14	567.59	42.1	42.1	41.1	14.38	14.35	13.81
WHOLESALE TRADE	390.56	391.78	377.62	38.9	39.1	39.5	10.04	10.02	9.56
Wholesale trade-durable goods	384.54	385.34	373.51	39.0	39.2	39.4	9.86	9.83	9.48
Wholesale trade-nondurable goods	399.90	403.26	384.12	38.6	39.0	39.6	10.36	10.34	9.70
RETAIL TRADE[h]	168.48	169.94	164.37	29.2	29.3	29.3	5.77	5.80	5.61
General merchandise stores	178.56	182.65	185.40	28.8	28.9	30.0	6.20	6.32	6.18
Department stores	183.86	187.05	191.17	29.0	29.0	30.2	6.34	6.45	6.33
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	269.27	268.94	261.64	....	....	....	.....	.....	.....
Credit agencies other than banks	277.63	274.43	253.08	....	....	....	.....	.....	.....
Insurance carriers	371.74	371.48	347.71	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	343.38	343.73	333.00	33.5	33.6	33.2	10.25	10.23	10.03

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; extile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



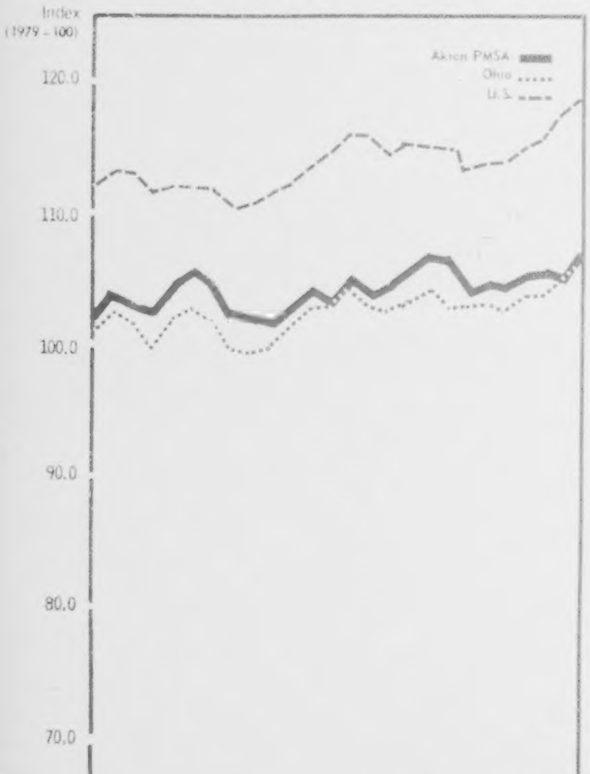
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



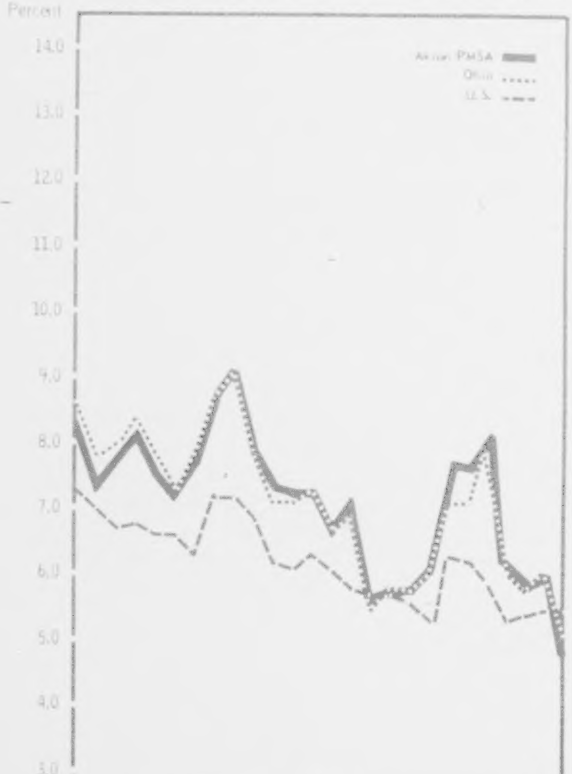
Total nonfarm wage and salary employment in the Akron metropolitan area declined 1,000 from July, to 268,700 in August 1988. Nonmanufacturing employment declined 400 over the month as seasonal layoffs of nonteaching personnel in local schools overshadowed scattered increases. The manufacturing workforce was down 600 due primarily to a temporary shutdown in fabricated metal products. Production worker average hourly earnings, at $11.46 per hour, were unchanged from July. Their average workweek was .2 hours shorter, at 42.9 hours.

Nonagricultural payroll employment advanced 6,400 between August 1987 and August 1988. Expansion in nonmanufacturing industries contributed 93.8 percent of the gain. Primary growth sectors were services and retail trade. Moderate improvements were noted in construction and wholesale trade. Manufacturing employment increased 400, to 66,500. Gains in nonelectrical machinery and rubber and miscellaneous plastics products more than offset a reduction in fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



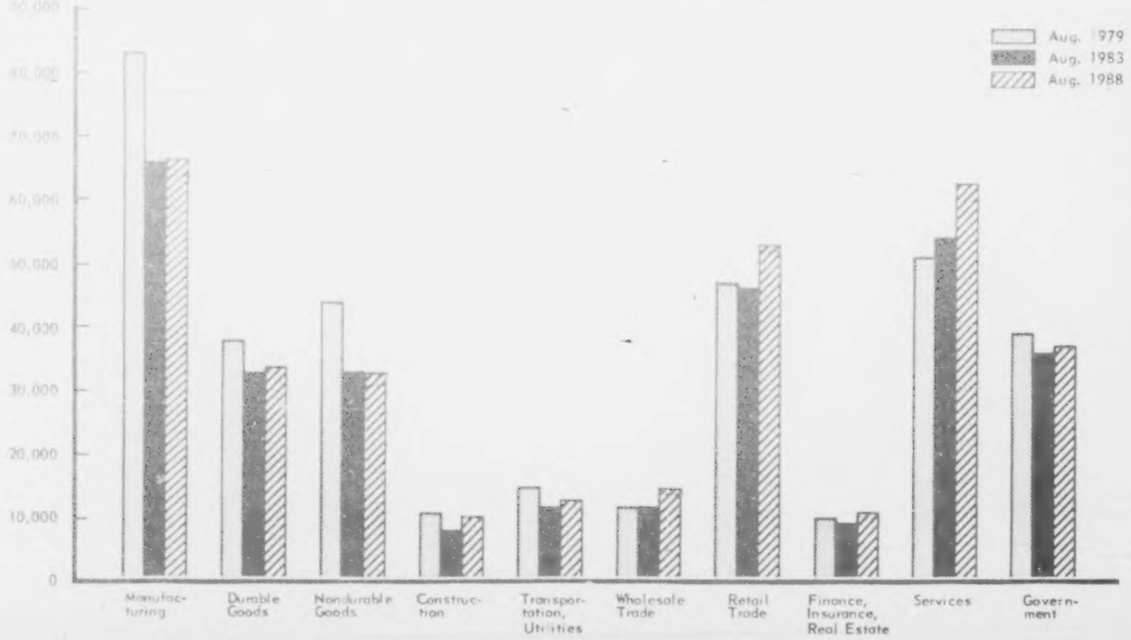
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
320.8	305.5	15.4	4.8	July	269.7	67.1	37.0	493.93	43.1	11.46
INA	INA	INA	INA	August	268.7	66.5	36.3	491.63	42.9	11.46

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	268.7	269.7	262.3	-1.0	6.4
MANUFACTURING	66.5	67.1	66.1	.6	.4
Durable Goods[e]	33.6	34.6	33.6	-1.0	.0
Fabricated metal products	10.6	11.5	11.2	-.9	-.6
Machinery, except electrical	9.9	9.9	9.3	.0	.6
Metalworking machinery	3.6	3.5	3.3	.0	.3
Nondurable Goods[f]	32.9	32.5	32.5	.4	.4
Food and kindred products	3.1	3.1	3.1	.0	.0
Chemicals and allied products	2.9	2.9	3.1	.0	.2
Rubber and misc. plastics products	21.1	20.9	20.7	.2	.4
Tires and inner tubes	12.7	12.7	13.0	.0	.2
NONMANUFACTURING[g]	202.3	202.6	196.2	.4	6.0
CONSTRUCTION	10.6	10.5	9.8	.1	.8
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.1	13.1	.0	.0
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.5	14.5	14.0	.0	.5
RETAIL TRADE	52.8	52.6	51.5	.1	1.3
General merchandise stores	6.1	6.2	6.2	.0	.1
FINANCE, INSURANCE, AND REAL ESTATE	11.0	11.0	10.7	.0	.3
Banking	3.2	3.3	3.1	.0	.1
SERVICES	62.6	62.4	59.7	.1	2.9
Business services	12.1	11.9	11.4	.1	.6
Amusement and recreation services	4.9	4.9	4.7	.0	.2
Health services	20.5	20.4	19.5	.1	.9
GOVERNMENT	37.2	37.9	37.0	-.7	.2
State government	11.0	11.2	10.4	.2	.7
State government education[i]	7.9	8.0	7.2	-.1	.7
State government, except education	3.1	3.1	3.2	.0	.0
Local government	23.8	24.4	24.3	.6	-.5
Local government education	12.5	12.9	12.3	-.4	.1
Local government, except education	11.3	11.5	11.9	.2	-.6

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

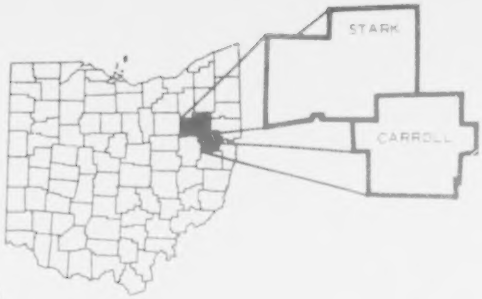
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$491.63	$493.93	$482.36	42.9	43.1	43.3	$11.46	$11.46	$11.14
Durable Goods[e]	492.05	496.72	494.86	42.2	42.6	43.6	11.66	11.66	11.35
Fabricated metal products	610.14	589.36	598.45	42.4	42.4	45.2	14.39	13.90	13.24
Machinery, except electrical	448.66	471.05	448.50	43.9	45.6	44.1	10.22	10.33	10.17
Metalworking machinery	456.32	500.81	450.24	43.5	46.5	44.8	10.49	10.77	10.05
Nondurable Goods[f]	493.24	489.68	464.61	44.0	43.8	42.9	11.21	11.18	10.83
Food and kindred products	455.38	459.36	469.48	42.4	43.5	44.0	10.74	10.56	10.67
Chemicals and allied products	526.24	508.08	467.64	44.0	43.5	40.7	11.96	11.68	11.49
Rubber and misc. plastics products	513.69	510.27	491.95	45.1	44.8	44.4	11.39	11.39	11.08
Tires and inner tubes	824.16	824.24	742.46	51.0	51.1	48.4	16.16	16.13	15.34
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	583.98	576.22	574.48	41.3	41.1	41.3	14.14	14.02	13.91
WHOLESALE TRADE	356.80	352.12	335.02	37.4	37.7	37.6	9.54	9.34	8.91
RETAIL TRADE[h]	201.53	200.23	201.58	32.4	32.4	33.1	6.22	6.18	6.09

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	2,170	2,245	2,392
Active File of Job Seekers	16,667	17,305	18,259
Referrals to Jobs	1,535	1,972	2,014
Placements	488	533	855
Job Openings Received	712	1,379	762
Job Openings Unfilled	2,439	2,494	2,367
Unemployment Insurance Program			
Initial Claims	2,261	2,822	2,651
Continued Claims	19,526	19,341	23,903
First Payments	1,179	878	1,312
Last Payments	299	314	403
Weeks Compensated	15,431	13,327	19,436
Benefits Paid	$2,292,632	$1,923,566	$2,889,382
Average Weekly Payment	$152.31	$147.96	$152.48

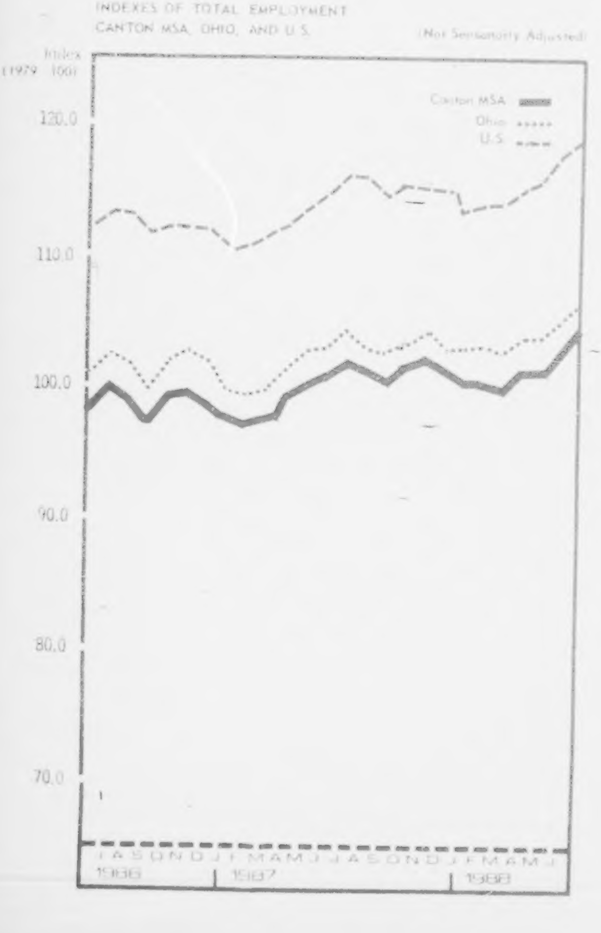
CANTON
METROPOLITAN STATISTICAL AREA

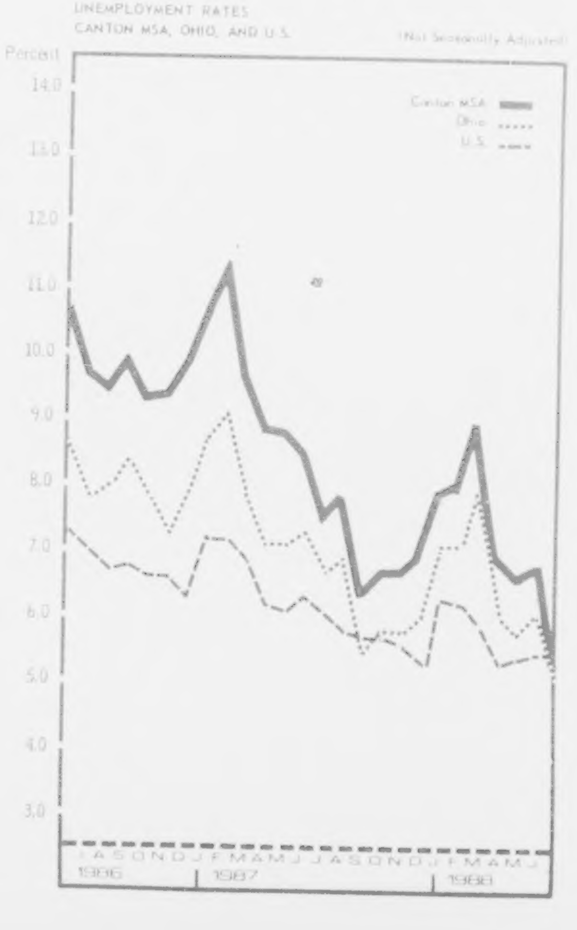


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, nonagricultural payroll employment totaled 161,100 in August, down 200 from July 1988. Reductions in primary metal industries dropped manufacturing employment 300, to 43,700. Nonmanufacturing employment increased 100 over the month as gains in retail trade offset seasonal losses in nonteaching personnel in local schools. Factory production workers averaged $11.33 per hour, up $.08 from July. Their average workweek, 42.3 hours, was unchanged.

Between August 1987 and August 1988, total nonfarm wage and salary employment rose 4,100. The improvement was concentrated in the nonmanufacturing sector, especially in services and construction. Manufacturing employment gained 200 over the year. Growth in primary metal industries and nondurable goods overshadowed a modest decline in fabricated metal products.


INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

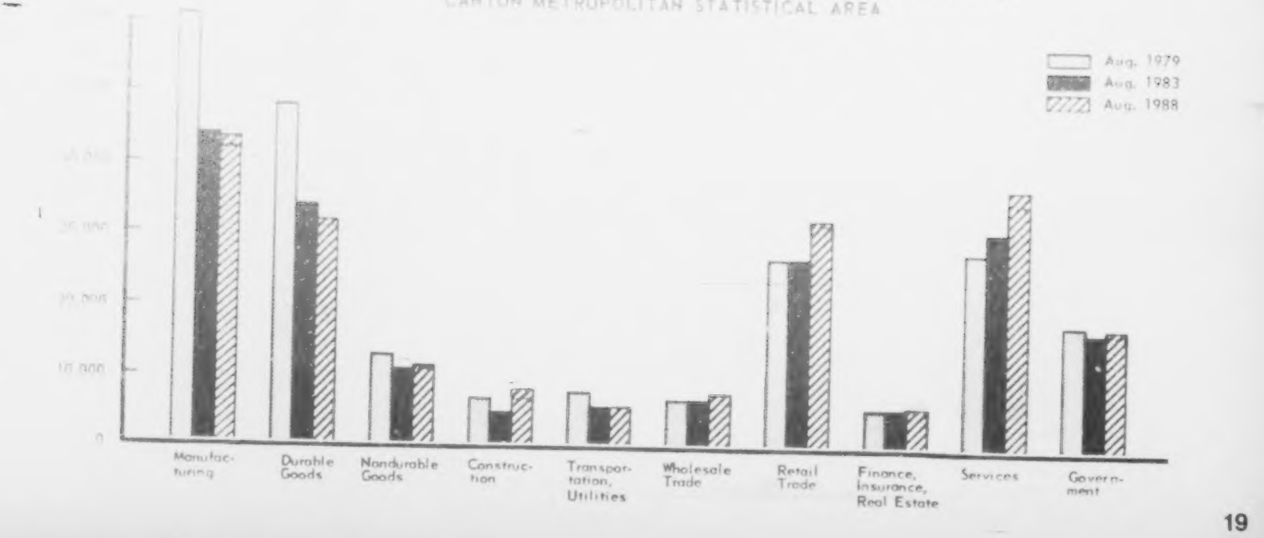

UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.8	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.5	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
192.1	175.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
186.3	173.9	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.4	178.4	13.0	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
192.5	182.3	10.2	5.3	July	161.3	44.0	31.3	475.88	42.3	11.25
INA	INA	INA	INA	August	161.1	43.7	31.1	479.26	42.3	11.33

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	161.1	161.3	157.1	.2	4.1
MANUFACTURING	43.7	44.0	43.5	.3	.2
Durable Goods[e]	31.9	32.3	32.0	-.3	.0
Primary metal industries	10.6	10.9	10.4	.3	.2
Fabricated metal products	6.4	6.3	6.6	.0	.2
Metal forgings and stampings	2.1	2.0	2.2	.1	.1
Nondurable Goods[f]	11.7	11.7	11.5	.0	.3
Food and kindred products	3.4	3.4	3.5	.0	.1
Rubber and misc. plastics products	2.9	2.9	2.9	.0	.1
NONMANUFACTURING[g]	117.4	117.3	113.6	.1	3.8
CONSTRUCTION	8.3	8.3	7.0	.0	1.3
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.2	5.8	.0	.4
Communication, electric, gas services	2.8	2.8	2.6	.0	.2
WHOLESALE TRADE	8.2	8.2	8.2	.1	.0
Wholesale trade-durable goods	4.6	4.5	4.6	.1	.0
RETAIL TRADE	32.4	32.0	31.6	.3	.8
General merchandise stores	3.9	4.0	3.8	.0	.1
Food stores	5.3	5.2	5.1	.1	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.6	.0	.1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	37.1	37.0	35.7	.1	1.4
Health services	15.5	15.4	15.1	.0	.4
GOVERNMENT	17.7	18.0	17.7	-.3	.0
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	14.5	14.8	14.5	-.3	.0
Local government education	7.8	8.0	8.1	-.2	.4
Local government, except education	6.7	6.8	6.4	.1	.3

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

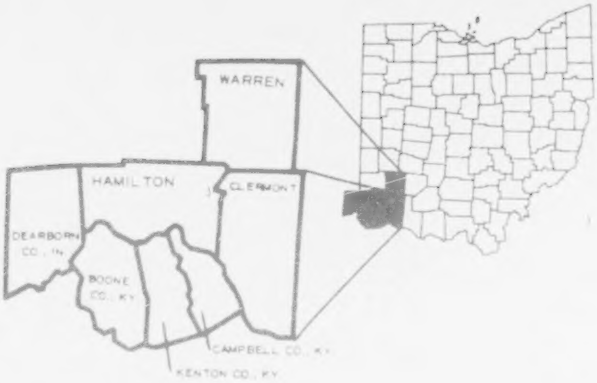
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. ~~19~~87[c]
MANUFACTURING	$479.26	$475.88	$460.73	42.3	42.3	41.1	$11.33	$11.25	$11.21
Durable Goods[e]	500.87	499.79	480.90	42.7	42.9	41.6	11.73	11.65	11.56
Primary metal industries	580.05	593.03	560.73	45.0	45.9	43.4	12.89	12.92	12.92
Fabricated metal products	438.21	439.42	439.39	40.5	40.8	39.8	10.82	10.77	11.04
Metal forgings and stampings	561.33	565.56	594.91	40.5	40.6	41.0	13.86	13.93	14.51
Nondurable Goods[f]	411.05	402.98	401.58	40.9	40.5	39.8	10.05	9.95	10.09
Food and kindred products	418.26	399.29	415.44	38.8	38.1	40.1	10.78	10.48	10.36
Rubber and misc. plastics products	416.53	407.13	430.95	41.2	41.0	41.2	10.11	9.93	10.46
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	577.21	558.55	555.67	41.2	40.8	41.1	14.01	13.69	13.52
WHOLESALE TRADE	381.26	384.00	374.12	37.6	37.5	37.6	10.14	10.24	9.95
RETAIL TRADE[h]	160.86	165.13	152.64	29.3	29.7	28.8	5.49	5.56	5.30

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	2,182	1,956	1,326
Active File of Job Seekers	13,221	12,656	11,981
Referrals to Jobs	1,711	1,958	832
Placements	385	273	247
Job Openings Received	1,254	1,191	531
Job Openings Unfilled	2,627	2,135	788
Unemployment Insurance Program			
Initial Claims	1,717	1,651	1,616
Continued Claims	12,614	11,107	14,981
First Payments	740	554	831
Last Payments	209	217	281
Weeks Compensated	9,501	8,304	11,483
Benefits Paid	$1,301,311	$1,121,256	$1,591,959
Average Weekly Payment	$141.37	$139.58	$142.22

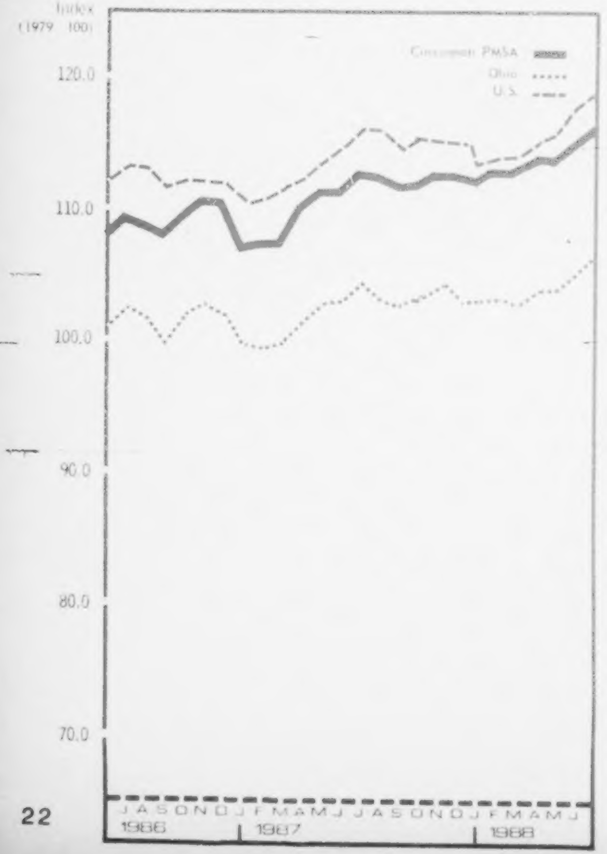
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



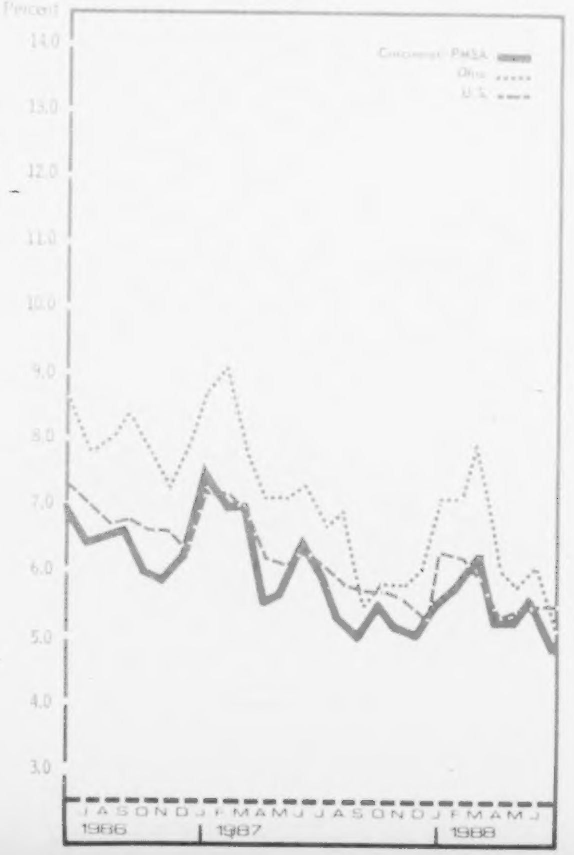
Nonagricultural wage and salary employment in the Cincinnati metropolitan area increased 3,300 from July, to 703,700 in August 1988. Nonmanufacturing employment rose 2,300 due to gains in retail trade, services, and construction. Seasonal growth in food and kindred products and more business in nonelectrical machinery contributed to the increase of 1,100 jobs in manufacturing employment. Production worker average hourly earnings, $11.25 per hour, increased $.15 from July. Their average workweek was .8 hours longer, at 42.4 hours.

Total nonfarm payroll employment advanced 17,600 between August 1987 and August 1988. A major portion of the improvement occurred in services (+8,600), retail trade (+4,600), and construction (+3,000). Manufacturing employment declined 3,900 over the year, to 144,800. Reductions in transportation equipment, especially motor vehicles and equipment, negated gains in food and kindred products and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

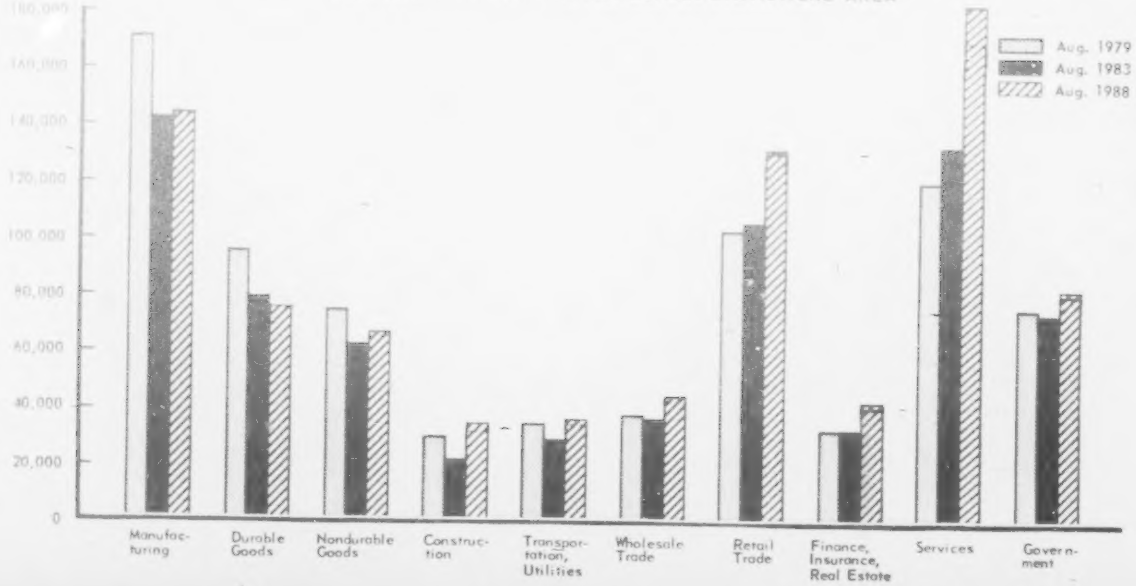


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.9	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
756.8	712.1	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.[illegible]	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.6	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.8	716.8	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
763.9	721.1	42.7	5.6	June	702.7	143.7	91.5	456.62	42.0	11.11
765.4	728.4	37.0	4.8	July	700.3	143.7	91.5	461.76	41.6	11.10
INA	INA	INA	INA	August	703.7	144.8	92.4	477.00	42.4	11.25

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	703.7	700.3	686.1	3.3	17.6
MANUFACTURING	144.8	143.7	148.7	1.1	- 3.9
Durable Goods[e]	77.2	76.7	81.8	.5	- 4.6
Fabricated metal products	9.9	9.8	10.3	.1	- .4
Fabricated structural metal products	3.8	3.7	4.1	.1	- .3
Machinery, except electrical	20.5	20.3	20.7	.2	- .1
Metalworking machinery	8.0	8.0	8.3	.0	- .3
General industrial machinery	3.0	3.0	2.9	.1	.2
Electric and electronic equipment	7.7	7.7	7.6	.0	.2
Transportation equipment	24.4	24.4	29.5	.1	- 5.0
Motor vehicles and equipment	4.9	4.8	8.8	.1	- 3.9
Nondurable Goods[f]	67.6	67.0	66.9	.6	.7
Food and kindred products	13.9	13.5	13.2	.4	.7
Beverages	3.7	3.7	3.6	.0	.1
Apparel and other textile products	3.7	3.8	3.8	- .1	- .1
Paper and allied products	5.9	5.8	6.1	.1	- .2
Printing and publishing	13.1	13.0	13.3	.1	.2
Commercial printing	5.6	5.6	5.9	.0	.2
Chemicals and allied products	22.9	22.8	22.5	.1	.4
Rubber and misc. plastics products	5.7	5.7	5.8	.0	- .1
NONMANUFACTURING[g]	558.9	556.6	537.3	2.3	21.5
CONSTRUCTION	35.2	34.4	32.2	.8	3.0
TRANSPORTATION AND PUBLIC UTILITIES	36.9	36.8	35.7	.1	1.2
Trucking and warehousing	10.7	10.6	10.2	.1	.6
Communication, electric, gas services	15.2	15.2	15.1	.0	.1
WHOLESALE TRADE	45.8	45.9	44.4	.0	1.4
Wholesale trade-durable goods	27.4	27.3	26.1	.1	1.3
RETAIL TRADE	132.1	131.2	127.5	.9	4.6
General merchandise stores	17.7	17.4	17.7	.3	.0
FINANCE, INSURANCE, AND REAL ESTATE	42.8	42.6	41.0	.1	1.8
Banking	9.4	9.4	8.8	.0	.6
Insurance carriers	14.3	14.3	13.8	.0	.5
SERVICES	183.0	182.3	174.5	.8	8.6
Hotels and other lodging places	7.4	7.3	6.9	.1	.5
Personal services	8.9	8.7	8.4	.1	.5
Business services	44.9	44.3	41.4	.5	3.4
Amusement and recreation services	11.3	11.2	11.0	.1	.3
Health services	55.2	55.2	53.4	.1	1.9
Hospitals	26.1	26.1	25.4	.0	.6
GOVERNMENT	82.5	82.9	81.7	- .4	.8
Federal government	15.1	15.0	14.5	.1	.6
State government	18.1	18.0	18.4	.1	- .3
State government education[i]	10.2	10.1	10.4	.1	- .1
State government, except education	7.9	7.9	8.1	- .1	- .2
Local government	49.3	49.9	48.8	- .6	.5
Local government education	25.6	26.0	25.8	- .4	- .2
Local government, except education	23.7	23.9	23.0	- .2	.7

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$477.00	$461.76	$472.69	42.4	41.6	42.7	$11.25	$11.10	$11.07
Durable Goods[e]	468.78	449.19	476.19	42.5	41.4	42.9	11.03	10.85	11.10
Fabricated metal products	426.97	420.73	424.76	42.4	42.2	43.7	10.07	9.97	9.72
Fabricated structural metal products	483.67	478.67	437.40	45.5	45.2	45.0	10.63	10.59	9.72
Machinery, except electrical	424.79	429.09	414.81	42.1	42.4	41.9	10.09	10.12	9.90
Metalworking machinery	491.06	489.95	461.55	44.4	44.1	42.5	11.06	11.11	10.86
General industrial machinery	388.63	422.67	398.90	41.3	43.8	42.8	9.41	9.65	9.32
Electric and electronic equipment	341.35	329.26	351.20	39.6	38.6	40.0	8.62	8.53	8.78
Transportation equipment	703.43	635.20	673.80	45.5	41.9	44.3	15.46	15.16	15.21
Motor vehicles and equipment	845.96	626.86	689.60	49.5	38.2	43.1	17.09	16.41	16.00
Nondurable Goods[f]	485.90	472.46	469.20	42.4	41.7	42.5	11.46	11.33	11.04
Food and kindred products	529.54	534.26	529.02	43.8	43.9	45.1	12.09	12.17	11.73
Beverages	521.66	525.85	538.82	41.6	41.9	42.9	12.54	12.55	12.56
Apparel and other textile products	216.45	209.15	215.84	37.0	36.5	38.0	5.85	5.73	5.68
Paper and allied products	444.72	422.42	432.58	43.6	41.7	43.0	10.20	10.13	10.06
Printing and publishing	465.61	456.52	470.09	40.7	40.4	41.2	11.44	11.30	11.41
Commercial printing	514.21	492.75	517.09	44.1	43.3	44.5	11.66	11.38	11.62
Chemicals and allied products	578.88	553.92	530.04	43.2	41.9	42.0	13.40	13.22	12.62
Rubber and misc. plastics products	400.90	385.73	414.70	43.2	41.7	44.4	9.28	9.25	9.34
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	576.70	568.41	543.10	41.4	41.1	40.2	13.93	13.83	13.51
WHOLESALE TRADE	407.62	406.42	389.91	40.6	40.4	41.0	10.04	10.06	9.51
RETAIL TRADE[h]	169.02	168.70	167.01	29.6	29.7	30.2	5.71	5.68	5.53
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	263.31	265.67	256.92	....	....	....	.....	.....	.....

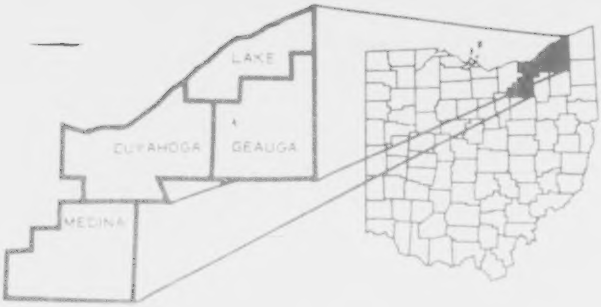
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes state universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [illegible] and due to labor-management disputes.

Selected Administrative Program Activities[a]

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	3,216	2,624	2,802
Active File of Job Seekers	21,714	21,162	17,022
Referrals to Jobs	2,236	1,647	2,265
Placements	333	271	603
Job Openings Received	1,655	1,474	1,884
Job Openings Unfilled	2,857	2,201	3,434
Unemployment Insurance Program			
Initial Claims	3,492	3,197	4,113
Continued Claims	35,651	36,602	29,639
First Payments	1,886	1,708	1,361
Last Payments	723	705	648
Weeks Compensated	26,963	27,886	23,463
Benefits Paid	$4,004,749	$4,232,611	$3,217,682
Average Weekly Payment	$150.47	$153.70	$139.84

[a] Ohio data only

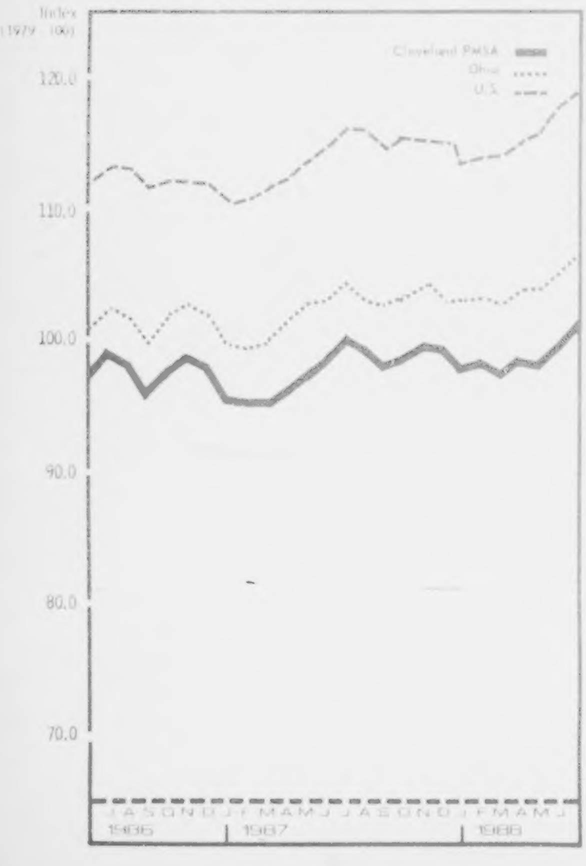
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



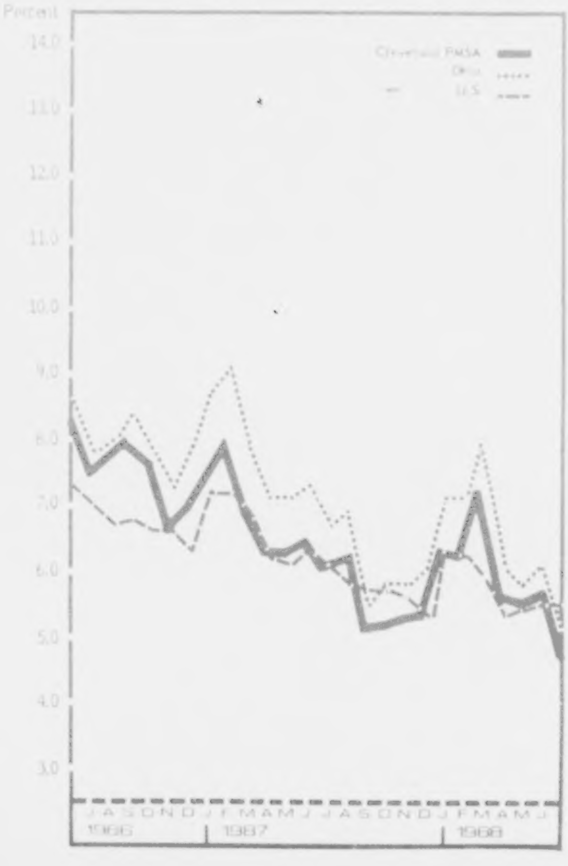
Nonagricultural payroll employment in the Cleveland metropolitan area totaled 918,100 in August 1988, down 600 from July. Nonmanufacturing employment declined 1,100. Seasonal layoffs in nonteaching personnel in state and local schools and colleges negated scattered gains. Manufacturing employment increased 400 due to the settlement of a labor-management dispute in electric and electronic equipment and modest gains in transportation equipment and rubber and miscellaneous plastics products. Factory production workers averaged $11.80 per hour, up $.11 from last month. They worked .2 hours longer for an average workweek of 42.9 hours.

Between August 1987 and August 1988, total nonfarm wage and salary employment advanced 19,000. Primary growth sectors were services (+8,600), retail trade (+5,700), and finance, insurance, and real estate (+2,200). Manufacturing employment increased 2,600 over the year. Moderate expansion occurred in nonelectrical machinery, electric and electronic equipment, and transportation equipment, especially motor vehicles and equipment.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

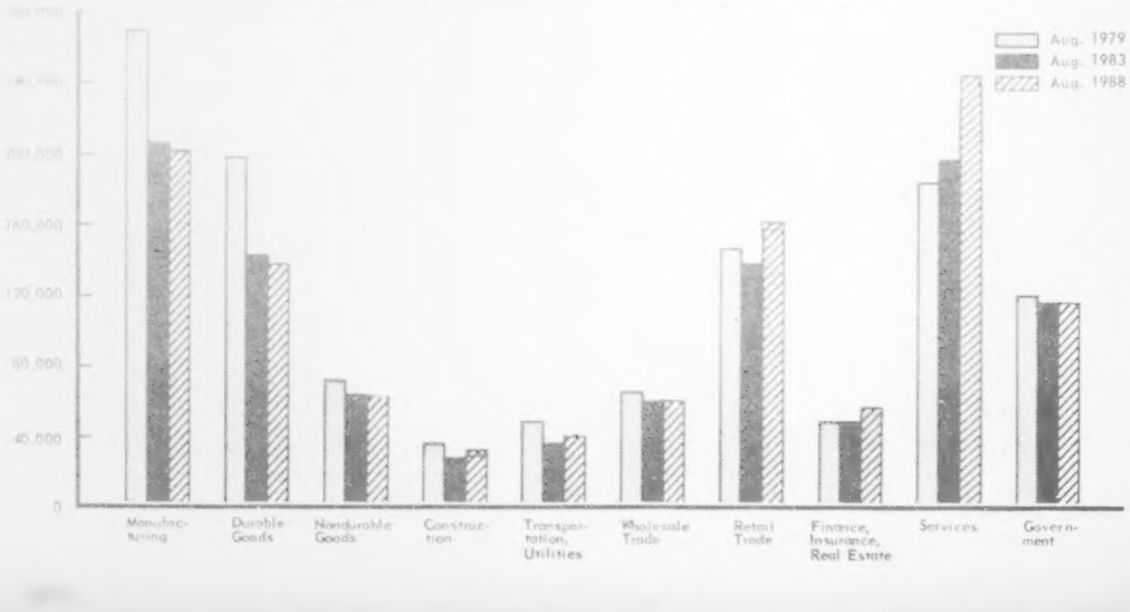


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
934.7	885.8	53.5	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
949.0	904.5	44.5	4.7	July	918.7	202.4	129.6	499.16	42.7	11.69
INA	INA	INA	INA	August	918.1	202.8	129.8	506.22	42.9	11.80

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	918.1	918.7	899.1	- .6	19.0
MANUFACTURING	202.8	202.4	200.3	.4	2.6
Durable Goods[e]	137.7	137.3	135.2	.4	2.5
Primary metal industries	20.7	20.8	20.8	- .1	- .1
Iron and steel foundries	4.9	5.1	5.0	- .3	- .1
Fabricated metal products	32.7	32.9	32.5	- .2	.2
Fabricated structural metal products	4.2	4.2	4.2	.0	.1
Screw machine products, bolts, etc.	4.8	4.7	4.8	.0	.0
Metal forgings and stampings	11.3	11.4	11.3	- .2	.0
Machinery, except electrical	29.6	29.7	28.8	.1	.9
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	9.8	9.8	9.6	.0	.2
Special industry machinery	2.8	2.7	2.8	.0	.0
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	18.3	17.7	17.4	.5	.9
Electrical industrial apparatus	6.5	5.8	5.9	.6	.5
Transportation equipment	19.0	18.8	18.5	.2	.5
Motor vehicles and equipment	12.0	11.8	11.2	.2	.8
Instruments and related products	6.4	6.3	6.6	.1	.1
Measuring and controlling devices	4.1	4.0	4.3	.0	.2
Nondurable Goods[f]	65.1	65.1	65.0	.0	.1
Food and kindred products	6.5	6.5	6.9	.2	.8
Apparel and other textile products	4.0	4.0	3.9	- .1	.1
Paper and allied products	5.7	5.6	5.5	.1	.2
Printing and publishing	16.3	16.2	16.5	.1	.2
Chemicals and allied products	15.4	15.4	15.0	.0	.4
Rubber and misc. plastics products	12.4	12.2	12.3	.2	.2
NONMANUFACTURING[g]	715.3	716.4	698.8	1.1	16.5
CONSTRUCTION	32.1	31.9	31.2	.2	.9
TRANSPORTATION AND PUBLIC UTILITIES	41.4	41.3	41.5	.2	- .1
Trucking and warehousing	12.4	12.3	12.1	.1	.4
Communication, electric, gas services	17.7	17.6	17.9	.1	.2
WHOLESALE TRADE	61.5	61.4	60.6	.1	.8
Wholesale trade-durable goods	42.1	42.0	41.9	.1	.1
RETAIL TRADE	161.3	161.2	155.6	.0	5.7
General merchandise stores	20.7	20.8	20.1	.2	.6
FINANCE, INSURANCE, AND REAL ESTATE	57.6	57.4	55.4	.2	2.2
Banking	13.8	13.7	13.7	.1	.1
Credit agencies other than banks	8.9	8.9	8.8	.0	.2
Insurance carriers	14.4	14.3	13.8	.0	.5
SERVICES	244.4	244.3	235.8	.1	8.6
Business services	57.2	56.8	54.1	.4	3.1
Amusement and recreation services	10.1	10.2	10.4	- .1	- .4
Health services	76.9	76.9	75.6	.0	1.4
Hospitals	42.8	42.8	43.0	.1	- .2
GOVERNMENT	116.0	117.9	117.7	- 2.0	- 1.7
Federal government	20.7	20.7	20.3	.0	.3
State government	7.9	8.3	7.9	- .3	.1
State government education[i]	2.5	2.9	2.4	- .4	.1
State government, except education	5.4	5.4	5.4	.0	.0
Local government	87.4	89.0	89.5	- 1.6	- 2.1
Local government education	40.3	41.8	41.2	- 1.5	- .9
Local government, except education	47.1	47.2	48.4	- .2	- 1.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

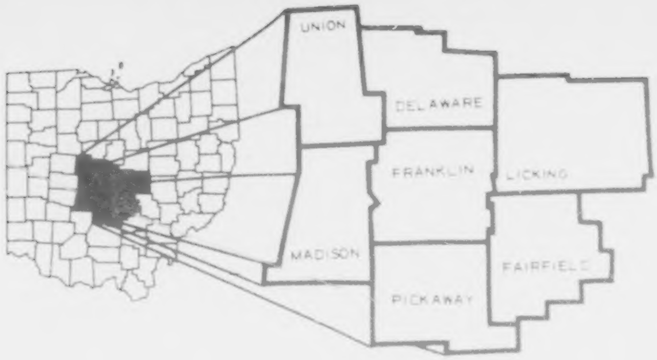
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$506.22	$499.16	$486.75	42.9	42.7	42.4	$11.80	$11.69	$11.48
Durable Goods[e]	545.60	532.88	517.72	44.0	43.5	43.0	12.40	12.25	12.04
Primary metal industries	585.82	566.25	594.23	46.2	45.3	45.5	12.68	12.50	13.06
Iron and steel foundries	887.04	732.59	848.06	50.4	43.4	50.3	17.60	16.88	16.86
Fabricated metal products	538.59	528.04	509.32	43.4	43.0	42.8	12.41	12.28	11.90
Fabricated structural metal products	384.91	393.16	396.90	39.6	40.2	40.5	9.72	9.78	9.80
Screw machine products, bolts, etc.	532.96	517.63	465.70	44.9	44.7	44.1	11.87	11.58	10.56
Metal forgings and stampings	691.84	672.44	627.54	46.0	45.1	44.1	15.04	14.9[illegible]	14.23
Machinery, except electrical	488.68	496.17	471.33	42.2	42.7	41.6	11.58	11.62	11.33
Construction and related machinery	394.80	402.16	401.84	43.1	44.0	44.5	9.16	9.14	9.03
Metalworking machinery	456.77	457.38	422.06	41.6	42.0	40.7	10.98	10.89	10.37
Special industry machinery	468.13	450.30	455.34	41.1	39.5	37.6	11.39	11.40	12.11
General industrial machinery	476.87	505.57	472.34	43.0	44.9	41.8	11.09	11.26	11.30
Electric and electronic equipment	455.36	454.27	446.29	41.7	41.6	41.4	10.92	10.92	10.78
Electrical industrial apparatus	525.55	534.02	516.29	44.5	44.8	44.7	11.81	11.92	11.55
Transportation equipment	755.57	718.11	680.35	47.7	46.3	45.6	15.84	15.51	14.92
Motor vehicles and equipment	847.38	791.27	730.51	48.7	46.3	45.6	17.40	17.09	16.02
Instruments and related products	416.91	423.16	389.64	41.9	42.7	40.8	9.95	9.91	9.55
Measuring and controlling devices	454.90	466.47	391.64	43.2	43.8	39.6	10.53	10.65	9.89
Nondurable Goods[f]	415.13	417.18	414.92	40.5	40.7	41.0	10.25	10.25	10.12
Food and kindred products	399.74	415.49	381.84	40.5	41.8	43.0	9.87	9.94	8.88
Apparel and other textile products	319.22	330.83	309.08	38.6	40.1	38.3	8.27	8.25	8.07
Paper and allied products	465.34	465.92	466.35	41.4	41.6	41.9	11.24	11.20	11.13
Printing and publishing	374.88	378.79	424.71	35.5	35.5	39.0	10.56	10.67	10.89
Chemicals and allied products	512.12	503.84	498.80	43.4	43.1	43.0	11.80	11.69	11.60
Rubber and misc. plastics products	395.92	384.34	377.04	43.7	42.8	41.8	9.06	8.98	9.02
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	610.91	591.02	593.98	41.7	41.1	41.8	14.65	14.38	14.21
WHOLESALE TRADE	418.57	420.62	394.97	38.5	39.2	39.3	10.82	10.73	10.05
RETAIL TRADE[h]	188.39	191.43	189.80	28.5	28.7	29.2	6.61	6.67	6.50
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	301.68	308.15	300.02	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	344.43	344.86	346.36	32.1	32.2	32.4	10.73	10.71	10.69

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	4,908	4,484	6,740
Active File of Job Seekers	55,837	56,512	61,485
Referrals to Jobs	2,804	2,344	2,923
Placements	902	926	1,080
Job Openings Received	1,890	1,682	2,222
Job Openings Unfilled	4,549	4,256	2,929
Unemployment Insurance Program			
Initial Claims	5,055	6,557	6,554
Continued Claims	51,630	50,211	54,311
First Payments	3,195	2,659	3,460
Last Payments	943	1,186	1,101
Weeks Compensated	40,639	40,385	46,382
Benefits Paid	$6,053,107	$6,056,452	$6,575,266
Average Weekly Payment	$151.57	$152.76	$144.00

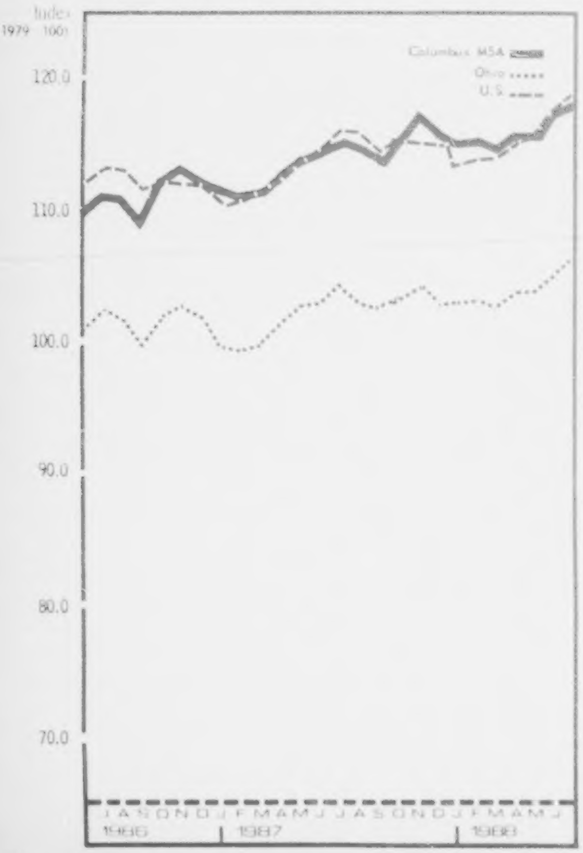
COLUMBUS
METROPOLITAN STATISTICAL AREA



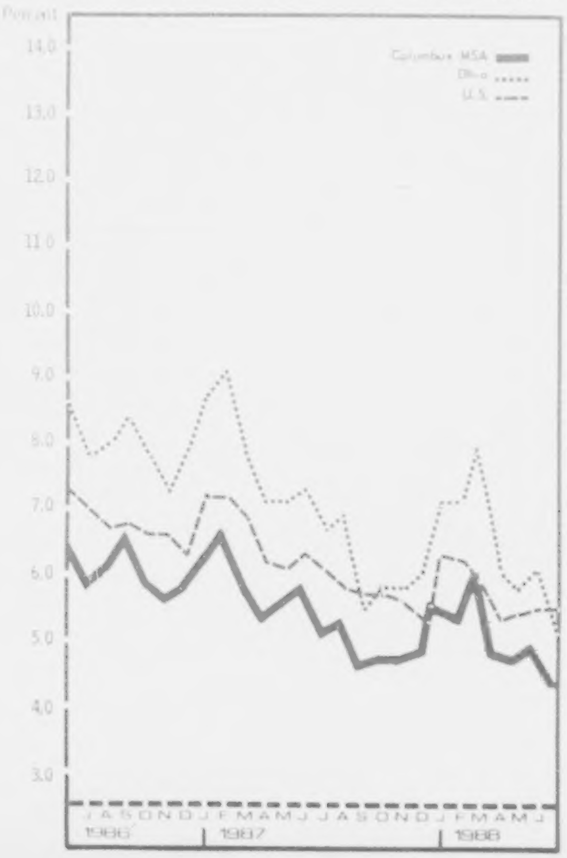
In the Columbus metropolitan area, total nonfarm payroll employment increased 4,200 from July, to 682,500 in August 1988. The improvement was concentrated in the nonmanufacturing sector. Noteworthy gains occurred in retail trade and construction. Manufacturing employment rose 500 due to scattered growth in durable-goods industries, especially transportation equipment. Factory production workers averaged $11.55 per hour, up slightly from July. Their average workweek, 40.8 hours, was .4 hours shorter.

Nonagricultural wage and salary employment advanced 25,100 between August 1987 and August 1988. The nonmanufacturing sector netted 98.4 percent of the gain. A major portion of the growth occurred in services (+8,700), retail trade (+6,300), and construction (+2,700). Manufacturing employment increased 500, to 103,400. Scattered growth in nondurable goods outweighed reductions in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

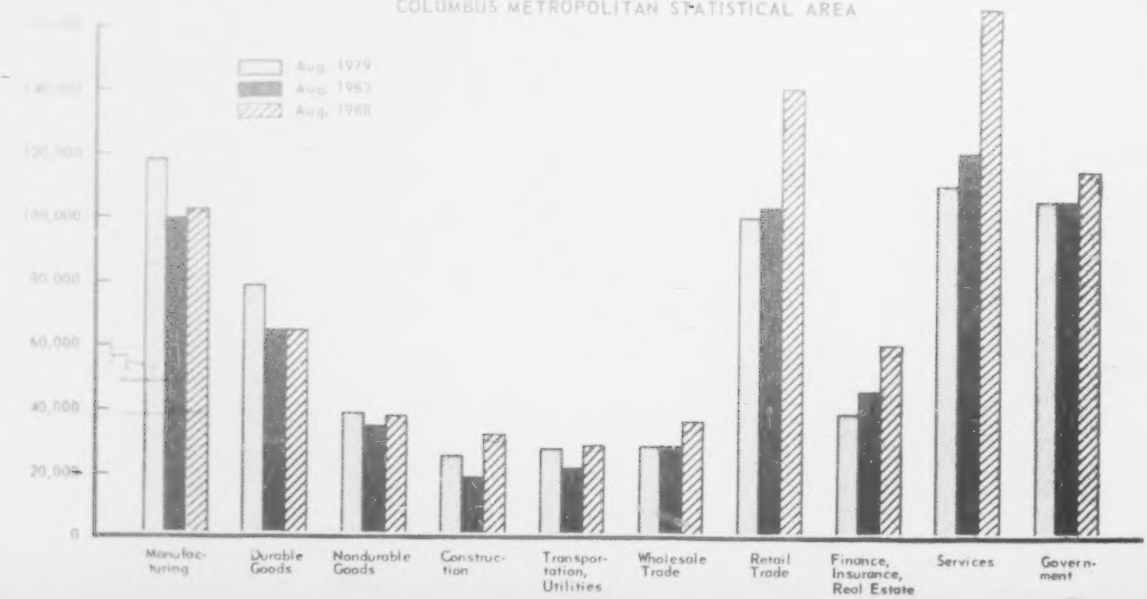


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
712.1	677.2	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5	11.57
712.6	682.1	30.5	4.3	July	678.4	102.9	67.0	475.45	41.2	11.54
INA	INA	INA	INA	August	682.5	103.4	67.4	471.24	40.8	11.55

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	682.5	678.4	657.4	4.2	25.1
MANUFACTURING	103.4	102.9	102.9	.5	.5
Durable Goods[e]	65.0	64.5	65.5	.6	- .5
Stone, clay, and glass products	9.9	9.8	10.4	.1	- .5
Glass and glassware, pressed or blown	3.6	3.5	4.0	.1	- .3
Fabricated metal products	9.4	9.4	9.2	.0	.1
Fabricated structural metal products	2.8	2.8	3.0	.0	- .2
Machinery, except electrical	9.0	9.1	9.1	- .1	- .2
Electric and electronic equipment	11.1	11.0	10.8	.1	.3
Transportation equipment	13.5	13.2	14.2	.3	- .7
Instruments and related products	4.2	4.1	4.0	.1	.2
Nondurable Goods[f]	38.4	38.4	37.4	.0	1.0
Food and kindred products	10.6	10.6	10.5	.1	.1
Printing and publishing	10.5	10.5	10.2	.0	.3
Chemicals and allied products	6.9	6.9	6.9	.0	.0
Rubber and misc. plastics products	5.6	5.7	5.1	- .1	.5
NONMANUFACTURING[g]	579.1	575.5	554.5	3.6	24.7
CONSTRUCTION	32.5	31.7	29.7	.8	2.7
TRANSPORTATION AND PUBLIC UTILITIES	28.9	28.7	28.2	.1	.7
Trucking and warehousing	12.1	12.0	11.8	.1	.3
Communication, electric, gas services	11.8	11.7	11.7	.1	.1
WHOLESALE TRADE	35.7	35.6	34.2	.2	1.5
Wholesale trade-durable goods	23.1	23.0	22.1	.2	1.0
RETAIL TRADE	140.1	138.7	133.8	1.3	6.3
General merchandise stores	22.4	22.2	21.8	.2	.6
FINANCE, INSURANCE, AND REAL ESTATE	60.2	60.0	58.0	.1	2.2
Banking	12.2	12.2	11.7	.0	.4
Insurance carriers	23.5	23.4	22.8	.1	.7
SERVICES	165.4	164.9	156.6	.4	8.7
Business services	38.6	38.3	35.5	.3	3.1
Health services	41.5	41.5	40.0	.0	1.5
Hospitals	18.3	18.4	17.8	- .1	.5
GOVERNMENT	115.4	114.8	113.1	.7	2.4
Federal government	15.0	15.0	15.8	.0	- .8
State government	50.7	50.7	49.1	.0	1.7
State government education[i]	18.5	18.7	17.9	- .1	.6
State government, except education	32.2	32.1	31.1	.1	1.1
Local government	49.7	49.0	48.2	.7	1.5
Local government education	28.6	27.7	27.3	.9	1.3
Local government, except education	21.1	21.3	21.0	- .2	.2

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

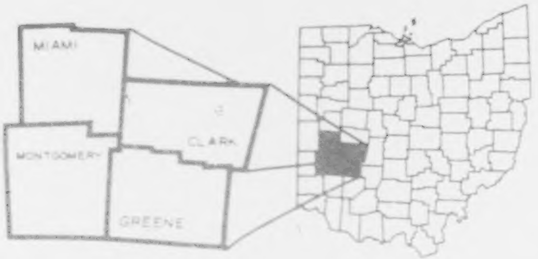
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$471.24	$475.45	$467.72	40.8	41.2	41.1	$11.55	$11.54	$11.38
Durable Goods[e]	475.02	482.93	477.99	40.6	41.1	41.1	11.70	11.75	11.63
Stone, clay, and glass products	470.00	479.95	464.04	40.0	40.4	39.9	11.75	11.88	11.63
Glass and glassware, pressed or blown.	426.31	438.37	412.42	39.4	39.6	38.4	10.82	11.07	10.74
Fabricated metal products	505.52	509.59	495.32	40.9	40.8	40.7	12.36	12.49	12.17
Fabricated structural metal products	472.14	453.46	436.30	43.0	41.0	40.7	10.98	11.06	10.72
Machinery, except electrical	448.14	470.61	437.54	42.0	42.9	41.2	10.67	10.97	10.62
Electric and electronic equipment	445.36	456.85	451.45	39.8	40.9	40.2	11.19	11.17	11.23
Transportation equipment	567.59	562.92	598.69	41.1	41.3	43.7	13.81	13.63	13.70
Instruments and related products	402.09	404.68	420.43	38.7	38.8	41.3	10.39	10.43	10.18
Nondurable Goods[f]	462.38	458.14	447.58	41.1	41.2	41.1	11.25	11.12	10.89
Food and kindred products	468.30	447.86	460.22	42.0	41.7	42.3	11.15	10.74	10.88
Printing and publishing	550.04	547.46	523.51	39.8	39.7	39.6	13.82	13.79	13.22
Chemicals and allied products	522.93	524.75	502.90	40.6	40.9	40.2	12.88	12.83	12.51
Rubber and misc. plastics products	359.35	360.32	337.43	41.4	41.8	41.2	8.68	8.62	8.19
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	614.85	593.81	576.63	42.2	41.7	41.1	14.57	14.24	14.03
WHOLESALE TRADE	346.89	349.32	354.24	37.3	37.4	38.8	9.30	9.34	9.13
RETAIL TRADE[h]	185.51	184.44	173.52	29.4	29.0	28.4	6.31	6.36	6.11
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	264.27	263.25	266.70	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	348.11	348.47	331.62	34.5	34.4	34.4	10.09	10.13	9.64

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	5,224	5,866	6,136
Active File of Job Seekers	28,669	28,916	32,376
Referrals to Jobs	3,926	2,710	2,779
Placements	1,227	614	999
Job Openings Received	2,182	1,411	2,705
Job Openings Unfilled	2,671	2,444	4,940
Unemployment Insurance Program			
Initial Claims	4,212	4,227	4,387
Continued Claims	31,363	29,153	33,036
First Payments	2,188	1,962	1,817
Last Payments	649	602	745
Weeks Compensated	24,538	23,857	28,423
Benefits Paid	$3,647,944	$3,558,339	$4,297,857
Average Weekly Payment	$151.62	$151.99	$154.32

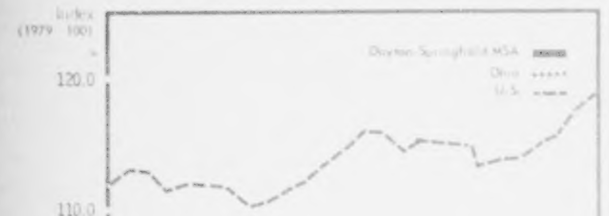
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



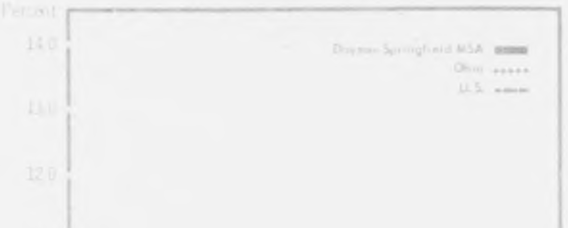
Nonagricultural payroll employment in the Dayton-Springfield metropolitan area increased 400 from the July level, to 434,100 in August 1988. The improvement occurred in the nonmanufacturing sector, especially in retail trade, services, and construction. Manufacturing employment declined 700 due to reductions in nonelectrical machinery and transportation equipment. Factory production worker average hourly earnings increased $.03 from July, to $12.42 per hour. Their average workweek was unchanged, at 42.4 hours.

Between August 1987 and August 1988, nonfarm wage and salary employment advanced 7,800. Major improvements occurred in services (+4,200), retail trade (+3,300), and construction (+2,100). The manufacturing labor force declined 1,400 over the year, to 102,800. Significant reductions were registered in transportation equipment, electric and electronic equipment, and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

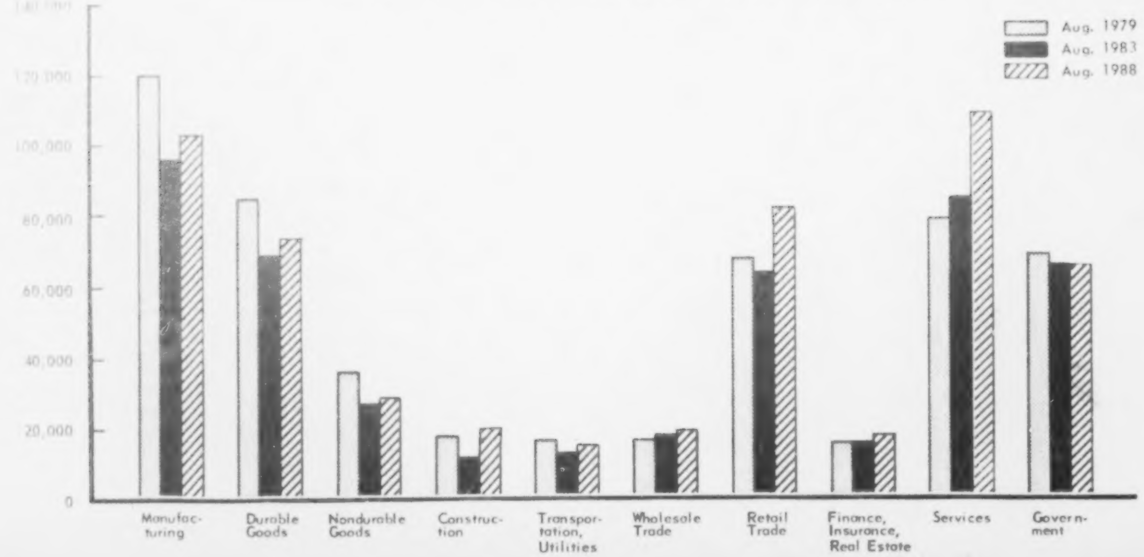


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
465.7	445.0	20.7	4.5	July	433.7	103.4	66.0	525.34	42.4	12.39
INA	INA	INA	INA	August	434.1	102.8	65.5	526.61	42.4	12.42

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	434.1	433.7	426.3	.4	7.8
MANUFACTURING	102.8	103.4	104.2	- .7	- 1.4
Durable Goods[e]	74.0	74.8	75.0	- .8	- 1.0
Fabricated metal products	8.4	8.4	8.4	.0	.0
Machinery, except electrical	30.4	30.9	30.4	- .5	.1
Metalworking machinery	6.6	6.6	6.5	.0	.1
General industrial machinery	2.8	2.8	2.6	.0	.2
Electric and electronic equipment	5.7	5.6	6.1	.0	- .4
Electrical industrial apparatus	3.4	3.4	3.7	.0	- .3
Transportation equipment	19.8	20.2	20.7	- .4	- .9
Nondurable Goods[f]	28.8	28.7	29.2	.1	- .4
Food and kindred products	2.8	2.8	2.8	.1	.0
Paper and allied products	6.1	6.1	6.0	.0	.1
Printing and publishing	8.6	8.7	8.5	.0	.1
Rubber and misc. plastics products	7.7	7.7	8.1	.0	- .4
NONMANUFACTURING[g]	331.3	330.3	322.2	1.1	9.2
CONSTRUCTION	20.2	19.7	18.0	.5	2.1
TRANSPORTATION AND PUBLIC UTILITIES	15.7	15.8	15.7	.0	.1
Communication, electric, gas services	5.3	5.4	5.5	.0	- .2
WHOLESALE TRADE	19.3	19.3	18.7	.0	.6
Wholesale trade-durable goods	12.7	12.7	12.3	.0	.4
RETAIL TRADE	82.2	81.6	78.8	.6	3.3
General merchandise stores	12.1	12.0	11.9	.1	.3
FINANCE, INSURANCE, AND REAL ESTATE	18.6	18.4	18.3	.1	.3
Banking	4.3	4.3	4.4	.0	- .1
Credit agencies other than banks	4.8	4.8	4.8	.0	.0
Insurance carriers	2.8	2.8	2.9	.0	- .2
SERVICES	108.8	108.3	104.6	.5	4.2
Business services	27.9	27.7	26.1	.2	1.8
Health services	36.8	36.6	36.2	.2	.5
Hospitals	18.7	18.7	18.8	.0	- .1
Educational services	5.4	5.5	5.1	- .1	.3
GOVERNMENT	66.2	66.8	67.7	- .6	- 1.5
Federal government	27.9	27.9	28.4	.0	- .6
State government	6.7	6.8	6.4	- .1	.2
State government education[i]	3.6	3.7	3.4	- .1	.2
State government, except education	3.0	3.0	3.0	.0	.0
Local government	31.7	32.2	32.8	- .5	- 1.1
Local government education	16.5	16.7	17.7	- .3	- 1.2
Local government, except education	15.2	15.4	15.2	- .2	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

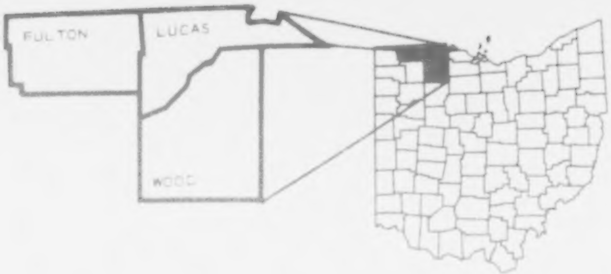
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$526.61	$525.34	$492.89	42.4	42.4	41.7	$12.42	$12.39	$11.82
Durable Goods[e]	537.14	533.35	501.18	42.8	42.6	41.8	12.55	12.52	11.99
Fabricated metal products	388.75	386.26	379.03	41.4	41.4	40.8	9.39	9.33	9.29
Machinery, except electrical	586.07	569.40	541.45	44.5	43.3	42.4	13.17	13.15	12.77
Metalworking machinery	573.30	546.32	542.39	46.8	45.3	44.9	12.25	12.06	12.08
General industrial machinery	497.29	491.70	453.36	44.6	44.7	41.9	11.15	11.00	10.82
Electric and electronic equipment	448.19	442.54	428.54	44.2	43.6	44.5	10.14	10.15	9.63
Electrical industrial apparatus	528.53	518.47	493.77	46.2	45.4	45.3	11.44	11.42	10.90
Transportation equipment	651.42	655.27	588.55	42.0	42.8	41.1	15.51	15.31	14.32
Nondurable Goods[f]	495.19	503.64	468.23	41.3	41.9	41.4	11.99	12.02	11.31
Food and kindred products	349.25	357.00	365.50	40.8	42.0	43.0	8.56	8.50	8.50
Paper and allied products	460.90	489.88	499.32	41.9	43.7	45.6	11.00	11.21	10.95
Printing and publishing	459.89	445.61	435.57	40.2	39.4	39.1	11.44	11.31	11.14
Rubber and misc. plastics products	660.66	649.27	558.18	42.0	41.7	39.7	15.73	15.57	14.06
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	558.50	550.67	545.40	40.5	40.7	40.4	13.79	13.53	13.50
WHOLESALE TRADE	407.15	404.59	422.18	39.8	39.9	41.8	10.23	10.14	10.10
RETAIL TRADE[h]	163.31	165.03	160.43	28.6	28.7	28.7	5.71	5.75	5.59
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	366.76	363.55	363.55	34.6	34.2	34.2	10.60	10.63	10.63

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

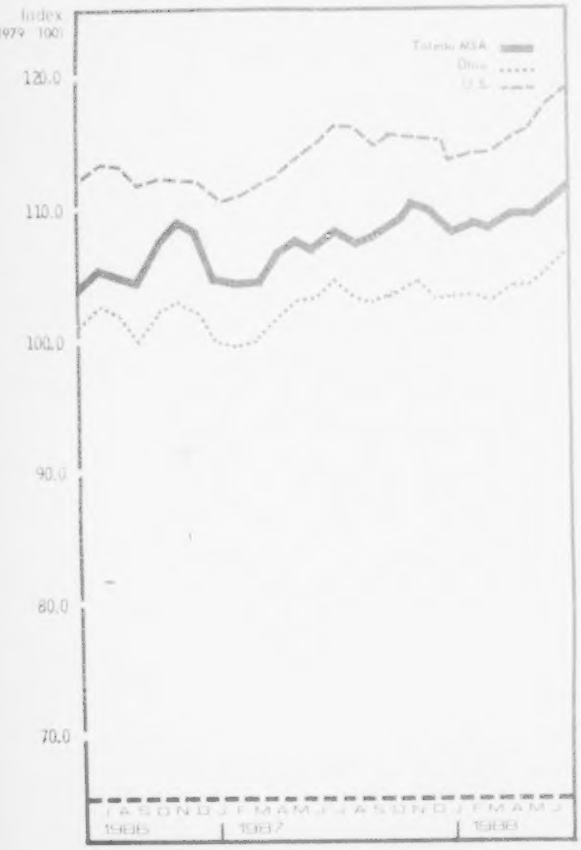
	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	2,757	2,386	2,551
Active File of Job Seekers	14,385	15,284	21,533
Referrals to Jobs	3,183	2,118	1,291
Placements	1,694	1,281	370
Job Openings Received	2,792	1,774	988
Job Openings Unfilled	2,488	1,944	1,930
Unemployment Insurance Program			
Initial Claims	4,254	4,140	7,739
Continued Claims	24,736	20,268	27,301
First Payments	1,919	1,296	1,957
Last Payments	343	373	432
Weeks Compensated	18,767	16,098	20,095
Benefits Paid	$2,711,115	$2,229,036	$2,790,387
Average Weekly Payment	$147.03	$140.91	$141.68

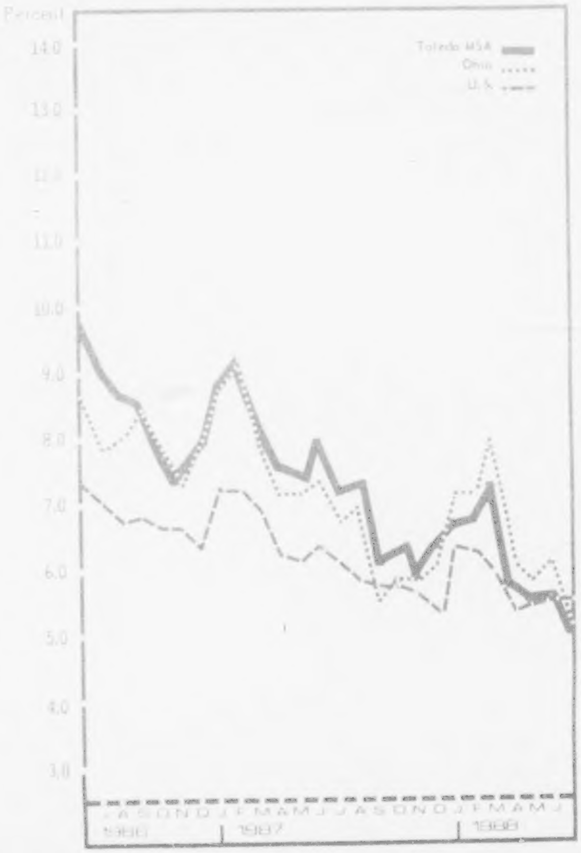
TOLEDO
METROPOLITAN STATISTICAL AREA



In the Toledo metropolitan area, nonagricultural wage and salary employment declined 200 from the July level, to 288,200 in August 1988. Seasonal reductions in nonteaching personnel in state and local schools and colleges (-1,100) negated scattered increases in other divisions, and reduced nonmanufacturing employment 400. Manufacturing employment increased 200 over the month due to scattered gains in nondurable-goods industries. Factory production workers averaged $12.98 per hour, up $.06 from July. Their average workweek, 42.6 hours, was .5 hours longer.

Nonfarm payroll employment advanced 10,600 between August 1987 and August 1988. Expansion in services, retail trade, and construction provided 86.8 percent of the improvement. Manufacturing employment increased 900 over the year, to 63,400. Modest growth occurred in fabricated metal products, rubber and miscellaneous plastics products, and stone, clay, and glass products, while employment in food and kindred products, transportation equipment, and electric and electronic equipment declined.


INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

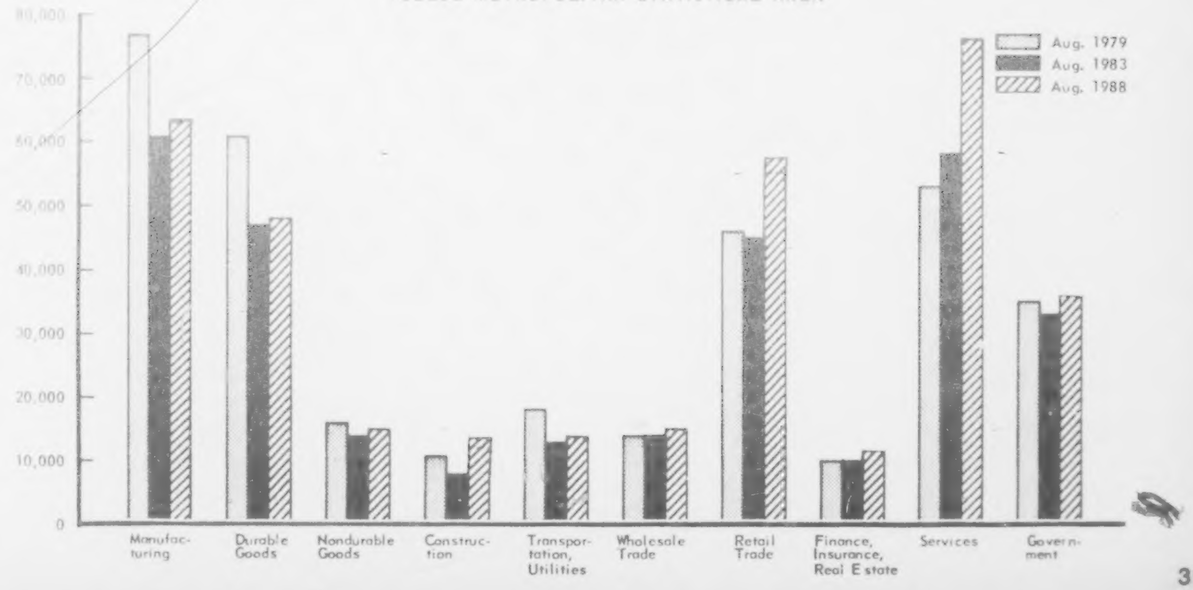

UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	290.7	63.6	45.6	571.58	43.4	13.17
314.5	298.6	15.8	5.0	July	288.5	63.2	45.1	543.93	42.1	12.92
INA	INA	INA	INA	August	288.2	63.4	45.3	552.95	42.6	12.98

INA: Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	288.2	288.5	277.7	-.2	10.6
MANUFACTURING	63.4	63.2	62.5	.2	.9
Durable Goods[e]	48.5	48.6	47.4	-.1	1.1
Stone, clay, and glass products	8.4	8.4	8.0	.0	.4
Primary metal industries	3.5	3.4	3.3	.1	.2
Fabricated metal products	7.9	8.0	7.4	.0	.5
Metal forgings and stampings	3.5	3.5	3.2	-.1	.3
Machinery, except electrical	6.2	6.2	6.1	.0	.1
Electric and electronic equipment	2.0	2.1	2.4	.0	-.4
Transportation equipment	15.4	15.6	15.8	-.2	-.4
Motor vehicles and equipment	14.4	14.6	14.9	-.2	-.6
Nondurable Goods[f]	14.9	14.6	15.1	.3	-.2
Food and kindred products	4.1	3.8	4.6	.2	-.5
Rubber and misc. plastics products	3.3	3.3	2.8	.0	.5
NONMANUFACTURING[g]	224.9	225.3	215.2	-.4	9.7
CONSTRUCTION	13.5	13.3	11.6	.2	1.9
TRANSPORTATION AND PUBLIC UTILITIES	14.1	14.0	14.0	.0	.1
Trucking and warehousing	5.5	5.5	5.4	.0	.1
Communication, electric, gas services	5.1	5.1	5.1	.0	.1
WHOLESALE TRADE	15.3	15.3	15.0	.0	.4
Wholesale trade-durable goods	10.1	10.1	10.0	.0	.2
RETAIL TRADE	57.5	57.2	54.5	.3	3.0
General merchandise stores	7.6	7.4	7.5	.2	.2
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.3	11.5	.1	-.1
Banking	3.6	3.6	3.6	.0	.1
SERVICES	76.5	76.4	72.2	.1	4.3
Business services	16.6	16.4	15.1	.2	1.5
Health services	27.5	27.6	27.1	-.1	.4
Hospitals	15.1	15.3	15.4	-.1	-.3
GOVERNMENT	36.3	37.5	36.1	-1.2	.2
State government	11.7	12.6	11.5	-.9	.2
State government education[i]	7.5	8.3	7.4	-.8	.2
State government, except education	4.2	4.2	4.1	-.1	.0
Local government	22.0	22.4	22.0	-.3	.0
Local government education	11.2	11.4	11.1	-.3	.1
Local government, except education	10.9	10.9	10.9	-.1	.0

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

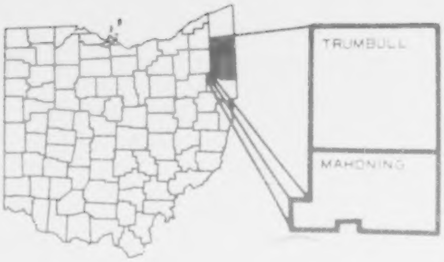
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$552.95	$543.93	$534.66	42.6	42.1	42.4	$12.98	$12.92	$12.61
Durable Goods[e]	565.19	563.30	562.36	42.4	42.1	42.7	13.33	13.38	13.17
Stone, clay, and glass products	520.70	510.24	485.56	41.0	39.8	39.8	12.70	12.82	12.20
Primary metal industries	517.99	459.41	464.62	45.2	41.5	42.2	11.46	11.07	11.01
Fabricated metal products	512.89	496.94	529.19	41.8	40.9	42.2	12.27	12.15	12.54
Metal forgings and stampings	643.62	598.02	662.63	43.4	41.3	45.2	14.83	14.48	14.66
Machinery, except electrical	486.16	503.16	485.41	41.2	42.0	42.1	11.80	11.98	11.53
Electric and electronic equipment	490.04	471.65	503.85	42.1	40.8	40.6	11.64	11.56	12.41
Transportation equipment	697.00	712.97	688.20	42.5	43.5	44.4	16.40	16.39	15.50
Motor vehicles and equipment	705.50	720.80	691.75	42.5	43.5	44.4	16.60	16.57	15.58
Nondurable Goods[f]	511.25	474.05	446.13	43.4	42.1	41.5	11.78	11.26	10.75
Food and kindred products	656.40	567.19	497.31	47.6	43.9	43.7	13.79	12.92	11.38
Rubber and misc. plastics products	343.61	349.01	318.39	41.2	42.1	39.7	8.34	8.29	8.02
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	632.35	622.99	607.57	42.9	42.7	41.7	14.74	14.59	14.57
WHOLESALE TRADE	396.76	389.65	356.25	39.4	39.2	37.5	10.07	9.94	9.50
RETAIL TRADE[h]	160.31	161.24	163.94	29.2	29.0	29.7	5.49	5.56	5.52

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	2,411	2,388	1,618
Active File of Job Seekers	17,289	17,469	17,277
Referrals to Jobs	2,007	1,523	1,409
Placements	787	576	637
Job Openings Received	1,410	906	703
Job Openings Unfilled	1,629	1,299	1,584
Unemployment Insurance Program			
Initial Claims	3,420	3,506	3,140
Continued Claims	18,400	16,476	22,663
First Payments	1,558	1,220	1,208
Last Payments	262	271	334
Weeks Compensated	13,795	13,292	17,238
Benefits Paid	$1,993,002	$1,882,320	$2,413,759
Average Weekly Payment	$147.44	$145.15	$142.95

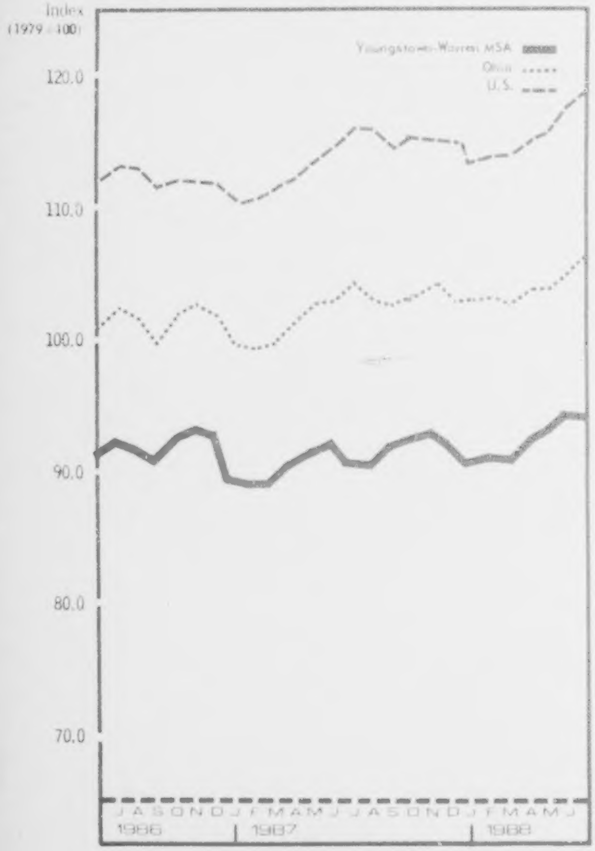
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



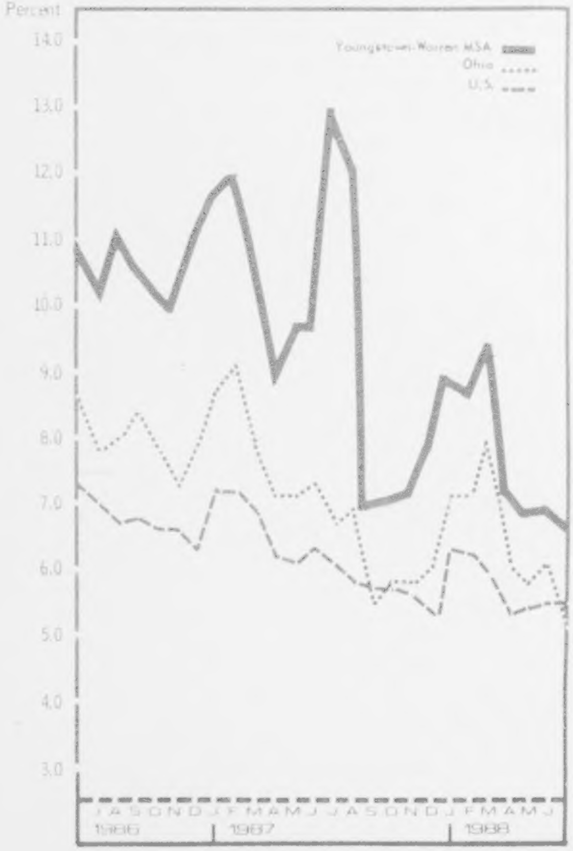
Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 1,600 from July, to 194,800 in August 1988. Manufacturing employment increased 1,400 due to the return of workers from a temporary shutdown in primary metal industries and scattered gains in other durable-goods industries. Nonmanufacturing added 200 jobs over the month with a modest gain in retail trade. Factory production worker average hourly earnings increased slightly from July, to $13.45 per hour. Their average workweek, 41.7 hours, was .6 hours shorter.

Between August 1987 and August 1988, nonfarm wage and salary employment advanced 9,300. The nonmanufacturing sector netted 58.1 percent of the gain. Noteworthy improvements occurred in retail trade and services. Manufacturing employment increased 3,900 over the year due to expansion in transportation equipment (+3,300).

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

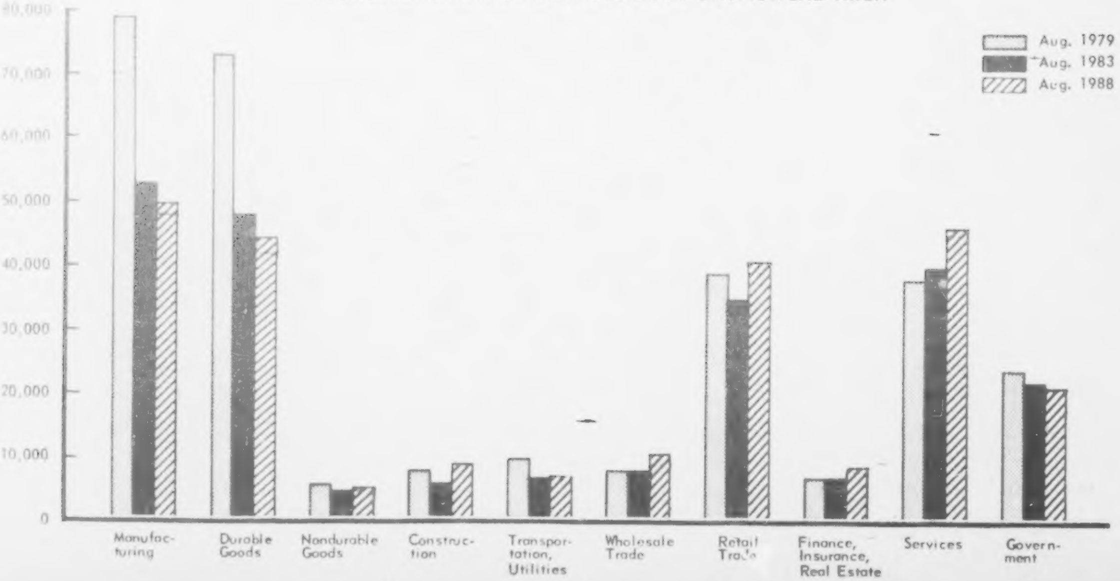


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.1	207.6	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
221.6	207.4	14.2	6.4	July	193.2	48.5	36.4	568.09	42.3	13.43
INA	INA	INA	INA	August	194.8	49.8	37.8	560.87	41.7	13.45

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	194.8	19[illegible].2	185.5	1.6	9.3
MANUFACTURING	49.8	48.5	45.9	1.4	3.9
Durable Goods[e]	44.4	43.1	40.7	1.3	3.6
Primary metal industries	18.6	17.8	18.3	.8	.3
Blast furnace and basic steel products	5.5	5.6	5.5	.0	.0
Fabricated metal products	7.4	7.2	7.3	.2	.1
Machinery, except electrical	3.8	3.8	3.7	.0	.1
Electric and electronic equipment	2.2	2.1	2.3	-.0	-.1
Transportation equipment	9.2	9.1	5.9	.1	3.3
Nondurable Goods[f]	5.5	5.4	5.2	.1	.3
NONMANUFACTURING[g]	145.0	144.8	139.6	.2	5.4
CONSTRUCTION	9.3	9.2	8.5	.1	.8
TRANSPORTATION AND PUBLIC UTILITIES	7.7	7.7	7.6	.0	.1
Communication, electric, gas services	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	10.6	10.5	9.8	.1	.8
Wholesale trade-durable goods	6.4	6.4	6.3	.0	.1
RETAIL TRADE	41.0	40.8	38.8	.2	2.2
General merchandise stores	5.2	5.2	5.4	.0	-.2
FINANCE, INSURANCE, AND REAL ESTATE	8.6	8.6	8.3	.0	.2
Banking	2.9	2.9	2.9	.0	.0
SERVICES	46.0	45.8	44.5	.1	1.5
Health services	20.1	19.9	19.6	.2	.4
Hospitals	10.3	10.3	10.1	.0	.2
GOVERNMENT	21.3	21.6	21.3	-.3	.0
State government	3.4	3.7	3.4	-.3	.0
State government education[i]	1.8	2.1	1.8	-.2	.1
State government, except education	1.6	1.6	1.6	.0	.0
Local government	15.7	15.8	15.8	-.1	-.1
Local government education	9.1	9.2	9.4	.0	-.2
Local government, except education	6.6	6.6	6.4	.0	.2

Youngstown-Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$560.87	$568.09	$548.98	41.7	42.3	42.1	$13.45	$13.43	$13.04
Durable Goods[e]	573.08	583.62	563.86	41.8	42.6	42.3	13.71	13.70	13.33
Primary metal industries	627.24	624.07	624.52	41.9	41.8	43.1	14.97	14.93	14.49
Blast furnace and basic steel products	603.44	629.29	620.14	44.6	45.8	45.2	13.53	13.74	13.72
Fabricated metal products	538.90	542.05	512.40	41.2	41.6	40.0	13.08	13.03	12.81
Machinery, except electrical	488.06	484.36	482.98	42.7	42.6	41.6	11.43	11.37	11.61
Electric and electronic equipment	456.96	454.50	431.82	40.8	40.4	39.4	11.20	11.25	10.96
Transportation equipment	610.56	654.40	618.87	42.4	45.1	44.3	14.40	14.51	13.97
Nondurable Goods[f]	426.52	420.25	412.23	40.2	40.1	40.1	10.61	10.48	10.28
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	568.99	559.71	557.03	40.7	40.5	40.6	13.98	13.82	13.72
WHOLESALE TRADE	368.68	362.62	334.88	39.6	38.7	37.5	9.31	9.37	8.93
RETAIL TRADE[h]	179.40	179.98	173.75	29.8	29.7	29.3	6.02	6.06	5.93

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	2,973	2,495	2,362
Active File of Job Seekers	17,000	16,283	18,953
Referrals to Jobs	1,491	1,580	1,919
Placements	372	340	876
Job Openings Received	717	930	984
Job Openings Unfilled	1,648	1,477	630
Unemployment Insurance Program			
Initial Claims	3,369	4,231	3,292
Continued Claims	17,947	15,941	31,835
First Payments	1,735	1,669	4,750
Last Payments	232	244	328
Weeks Compensated	14,252	13,218	28,527
Benefits Paid	$2,043,692	$1,846,011	$4,660,409
Average Weekly Payment	$146.27	$142.74	$165.94

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	August 1988	July 1988	August 1987
New Applicants	41,677	38,482	40,304
Active File of Job Seekers	260,482	263,530	288,038
Counseling Interviews	1,422	1,173	1,243
Tests Administered	3,262	1,163	2,897
General Aptitude Tests	223	70	369
Proficiency Tests	400	241	556
Specific Aptitude Tests	296	650	517
Referrals to Jobs	35,536	31,082	28,897
Placements	10,279	9,816	9,417
Job Openings Received	20,060	18,228	16,847
Job Openings Unfilled	31,465	27,122	25,903

Selected Unemployment Insurance Activities

	August 1988	July 1988	August 1987
Initial Claims	50,357	51,819	53,967
Continued Claims	345,821	316,853	362,485
First Payments	24,581	19,490	24,915
Last Payments	5,591	6,052	6,340
Average Weekly Claimants	73,328	74,662	89,491
Average Weekly Benefit Recipients	58,646	57,831	71,759
Weeks Compensated	264,289	246,644	295,614
Benefits Paid	$39,148,040	$36,051,763	$43,051,073
Average Weekly Payment	$151.17	$149.40	$148.81
Continued Claims for Survey Week	70,513	77,174	83,063
Insured Unemployment Rate	1.7	1.7	2.1
Net Contributions	$148,460,982	$51,966,913	$161,295,796
Active Employer Accounts	200,659	200,528	195,513

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
145 SOUTH FRONT STREET
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COLUMBUS OH 43216-1618

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Labor Market Review

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Ohio
Labor
Market
Information

Labor Market Review

June 1988

Summary. Ohio's seasonally adjusted unemployment rate, at 5.9 percent in June, was down from 6.2 percent in May. The U.S. rate was also lower, dropping from 5.6 percent to 5.3 percent. Total employment in Ohio rose 37,000 from May, to 4,959,000 in June. The number of jobless Ohioans fell 14,000, to 312,000. Seasonally adjusted nonagricultural payroll employment in Ohio increased 8,000 from May, to 4,680,000 in June. (See page 3.)

Factory Employment. Manufacturing employment in Ohio totaled 1,098,000 in June, on a par with May. Employment in both durable goods (736,000) and nondurable goods (362,000) was unchanged from May.

Nonmanufacturing. Employment in nonmanufacturing industries in Ohio was up 8,000 from May, to 3,582,000 in June. Services and government rose 3,000 each. Construction, wholesale trade, and retail trade each gained 1,000 jobs. No change in employment occurred in mining, transportation and public utilities, or finance, insurance, and real estate.

Over the Year. The unemployment rate in Ohio fell from 7.2 percent in June 1987, to 5.9 percent in June 1988. There was an increase of 85,000 in total employment from June 1987, while the number of unemployed dropped 65,000. The national unemployment rate declined from 6.1 percent to 5.3 percent over the year. Nonfarm wage and salary employment in Ohio rose 113,000 between June 1987 and June 1988. All major divisions had greater employment except mining, which was down 1,000. Services gained 42,000 jobs, while retail trade and construction were up 25,000 and 15,000, respectively. Advances in nondurable-goods industries helped to boost manufacturing employment 6,000 from June 1987.

Factory Hours and Earnings. Manufacturing production workers in Ohio had average weekly earnings of $520.90 in June, up $4.47 from May. Their average workweek increased .3 hours, to 43.3 hours. Nearly all industries had higher hours and earnings in June than in May. The most significant were fabricated metal products, chemicals and allied products, primary metal industries, nonelectrical machinery, and paper and allied products.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 40,272 in June, up 6.4 percent from May, but down 27.4 percent from June 1987. Total benefits paid increased 2.5 percent, to $42.7 million. The average benefit check of $152.24 was $2.38 lower than in May. The average weekly number of benefit recipients, at 61,190, was down 11.2 percent from May. At the end of June, there were 200,060 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Grace Kilbane, Acting Administrator

Employment Service. The Ohio Bureau of Employment Services aided 40,409 new applicants in June, up 13.7 percent from May, but down 2.6 percent from June 1987. There were 15,074 job openings received from employers, up 1.4 percent from May, and up 12.4 percent from June 1987. The Employment Services Division made 32,914 referrals and 7,524 placements.

Hire Persons with Disabilities

People at Work is what the American dream is all about and people with disabilities are a part of this dream. But some are excluded. Many people ignore the ABILITY and just see the DISABILITY.

It's difficult to reach your dream without a job. Various studies show that approximately two-thirds of all disabled workers between 16 and 64 years old are not working. Do what you can to promote employment and to employ qualified workers with disabilities!

Call your local OBES Office for referral of qualified disabled job applicants.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jun. 1988	May 1988	Jun. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,271	5,248	5,251	23	20	0.4	0.4
Employment	4,959	4,922	4,874	37	85	0.8	1.7
Unemployment	312	326	377	-14	-65	-4.3	-17.2
Unemployment Rate	5.9	6.2	7.2				
Employer Survey Data[e]							
Total	4,680	4,673	4,568	8	113	0.2	2.5
Manufacturing	1,098	1,099	1,092	0	6	-0.0	0.6
Durable Goods	736	736	735	0	1	-0.0	0.2
Nondurable Goods	362	362	357	0	5	-0.1	1.4
Nonmanufacturing	3,582	3,574	3,476	8	106	0.2	3.1
Mining	20	20	21	0	-1	0.0	-3.4
Construction	191	190	175	1	15	0.6	8.8
Transportation and Public Utilities	209	209	207	0	2	-0.1	1.0
Wholesale Trade	255	254	248	1	7	0.3	2.8
Retail Trade	870	869	845	1	25	0.1	3.0
Finance, Insurance and Real Estate	250	250	243	0	7	-0.2	3.1
Services	1,091	1,088	1,049	3	42	0.3	4.0
Government	696	693	688	3	7	0.4	1.1
Goods Producing Industries[f]	1,309	1,308	1,288	1	21	0.1	1.6
Service Producing Industries[g]	3,371	3,364	3,280	7	92	0.2	2.8

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.	1986			Durable	Nondurable
5,197	4,746	451	8.7	7.1	June	4,464	1,112	755	357
5,200	4,777	423	8.1	7.0	July	4,472	1,108	751	357
5,194	4,773	421	8.1	6.9	August	4,481	1,107	750	357
5,174	4,737	437	8.4	7.0	September	4,484	1,098	742	356
5,230	4,813	417	8.0	6.9	October	4,495	1,098	740	358
5,265	4,868	397	7.5	6.9	November	4,509	1,102	744	358
5,275	4,854	421	8.0	6.7	December	4,521	1,103	745	357
					1987				
5,276	4,849	427	8.1	6.7	January	4,532	1,096	740	356
5,295	4,850	445	8.4	6.6	February	4,549	1,099	742	357
5,237	4,838	399	7.6	6.5	March	4,552	1,093	737	356
5,236	4,854	382	7.3	6.3	April	4,552	1,096	738	357
5,277	4,884	393	7.4	6.3	May	4,560	1,094	736	357
5,251	4,874	377	7.2	6.1	June	4,568	1,092	735	357
5,252	4,886	366	7.0	6.0	July	4,567	1,082	725	358
5,234	4,873	361	6.9	6.0	August	4,589	1,095	734	360
5,181	4,891	290	5.6	5.9	September	4,597	1,097	737	360
5,215	4,900	315	6.0	6.0	October	4,610	1,097	736	361
5,263	4,945	318	6.0	5.9	November	4,626	1,100	738	362
5,264	4,937	327	6.2	5.8	December	4,639	1,103	739	364
					1988				
5,330	4,983	347	6.5	5.8	January	4,654	1,104	739	366
5,355	5,013	342	6.4	5.7	February	4,665	1,102	737	364
5,369	4,958	411	7.7	5.6	March	4,667	1,096	732	364
5,277	4,945	332	6.3	5.4	April	4,667	1,099	736	363
5,248	4,922	326	6.2	5.6	May	4,673	1,099	736	362
5,271	4,959	312	5.9	5.3	June	4,680	1,098	736	362

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
					1986				
3,352	22	160	198	244	June	818	232	998	679
3,364	22	160	204	244	July	820	233	1006	676
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694
3,568	20	191	209	254	April	868	250	1084	693
3,574	20	190	209	254	May	869	250	1088	693
3.582	20	191	209	255	June	870	250	1091	696

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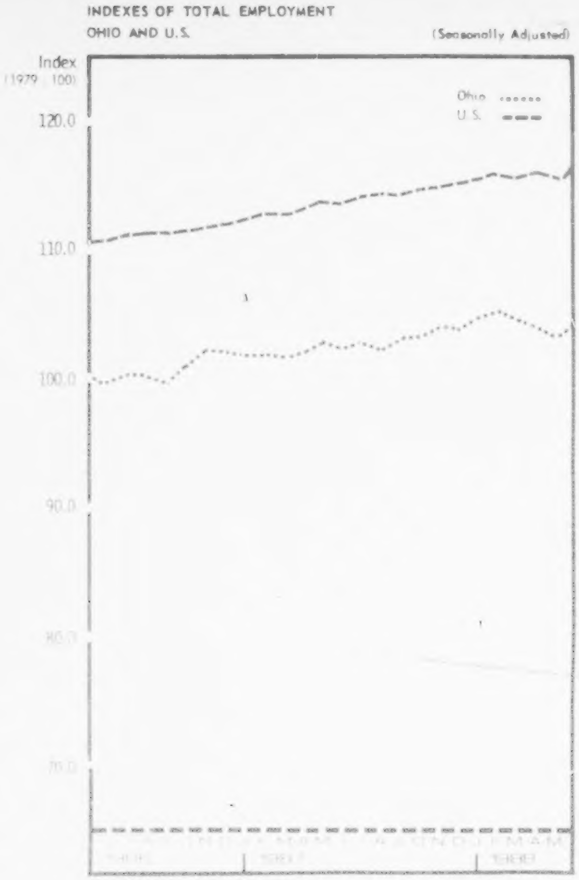
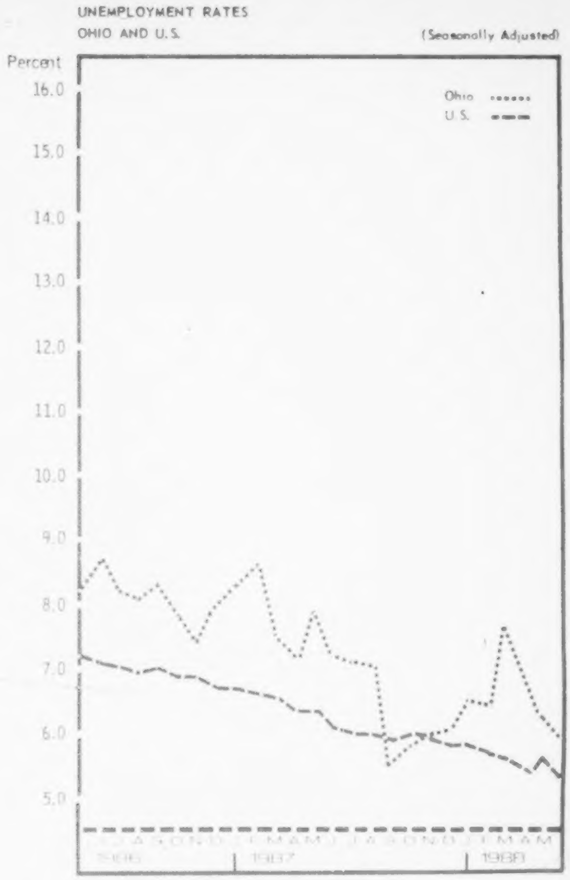
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.


INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)


UNEMPLOYMENT RATES
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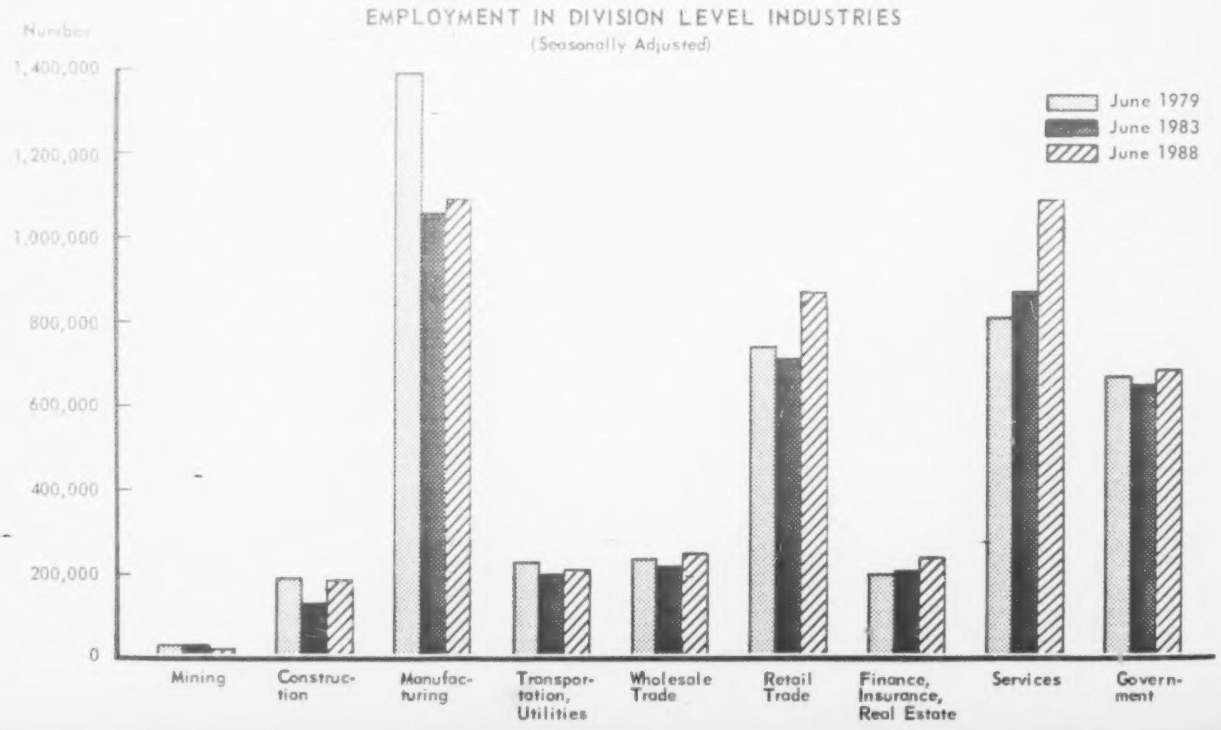
(Seasonally Adjusted)


EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

	Civilian Labor Force			Unemployment Rate	
	Total	Employed	Unemployed	Ohio	U.S.
1977	4,833	4,520	312	6.5	7.1
1978	4,959	4,690	268	5.4	6.1
1979	5,059	4,760	299	5.9	5.8
1980	5,089	4,663	426	8.4	7.1
1981	5,100	4,608	492	9.6	7.6
1982	5,114	4,474	640	12.5	9.7
1983	5,099	4,476	621	12.2	9.6
1984	5,089	4,609	480	9.4	7.5
1985	5,135	4,680	455	8.9	7.2
1986	5,231	4,806	425	8.1	7.0
1987	5,248	4,881	367	7.0	6.2
1987					
June	5,307	4,922	385	7.3	6.2
July	5,341	4,982	359	6.7	6.1
August	5,289	4,924	365	6.9	5.8
September	5,190	4,903	288	5.5	5.7
October	5,243	4,940	302	5.8	5.7
November	5,285	4,980	305	5.8	5.6
December	5,259	4,937	322	6.1	5.4
1988					
January	5,258	4,883	375	7.1	6.3
February	5,279	4,905	374	7.1	6.2
March	5,295	4,879	416	7.9	5.9
April	5,257	4,941	316	6.0	5.3
May	5,243	4,941	302	5.8	5.4
June	5,325	5,002	323	6.1	5.5

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing		
			Durable	Nondurable
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,471.4	1,109.8	752.7	357.1
1987	4,578.9	1,095.3	736.4	358.9
1987				
June	4,611.6	1,097.6	739.1	358.5
July	4,572.3	1,084.3	725.5	358.8
August	4,591.0	1,097.5	733.6	363.9
September	4,641.3	1,108.3	742.1	366.2
October	4,658.8	1,099.8	736.4	363.4
November	4,674.2	1,103.7	740.2	363.6
December	4,676.9	1,102.9	738.6	364.3
1988				
January	4,565.8	1,094.5	732.6	361.9
February	4,568.8	1,092.4	732.3	360.1
March	4,595.8	1,088.8	729.0	359.7
April	4,653.9	1,097.7	737.1	360.6
May	4,704.7	1,099.7	738.4	361.3
June	4,726.6	1,104.9	741.3	363.6

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

	Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance & Real Estate	Services	Government
1977	2,886.0	29.1	162.8	219.1	214.6	703.2	183.4	731.4	642.3
1978	3,017.7	29.0	176.6	225.0	226.0	730.6	191.1	772.1	667.5
1979	3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0
1982	3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
1983	3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1
1984	3,133.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	655.2
1985	3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2
1986	3,361.6	22.6	160.7	203.4	244.3	818.6	232.3	1,001.0	678.9
1987	3,483.6	20.9	177.0	206.9	248.7	847.7	243.1	1,051.2	688.1
1987									
June	3,514.0	21.1	184.4	208.5	250.4	851.5	244.7	1,065.9	687.5
July	3,488.0	21.1	192.7	208.6	250.6	852.8	246.8	1,068.2	647.1
August	3,493.5	21.1	196.8	209.1	251.1	858.1	247.2	1,068.6	641.4
September	3,533.0	21.4	196.4	209.3	251.2	861.1	246.1	1,074.7	672.7
October	3,559.0	20.7	198.6	210.0	252.4	862.3	245.7	1,070.4	698.9
November	3,570.4	20.8	192.7	209.6	252.2	873.9	246.2	1,067.5	707.6
December	3,573.9	20.5	182.9	209.6	252.8	887.8	246.7	1,064.7	708.9
1988									
January	3,471.3	20.1	163.5	203.3	250.9	846.2	245.9	1,047.8	693.6
February	3,476.4	19.7	158.9	202.3	250.8	838.0	246.4	1,056.5	703.7
March	3,507.1	19.5	165.5	204.5	251.6	843.1	247.1	1,066.9	708.9
April	3,556.2	19.8	179.1	207.2	253.4	857.3	248.6	1,085.1	705.8
May	3,605.0	19.9	191.0	209.3	255.3	870.5	250.1	1,098.0	710.5
June	3,621.8	20.3	200.4	210.6	257.3	877.1	252.2	1,108.8	695.0

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment

(in thousands)

Manufacturing	Durable Goods	Nondurable Goods	
1,344.1	945.2	398.9	1977
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,124.3	768.7	355.5	1985
1,109.8	752.7	357.1	1986
1,095.3	736.4	358.9	1987
			1987
1,097.6	739.1	358.5	June
1,084.3	725.5	358.8	July
1,097.5	733.6	363.9	August
1,106.3	742.1	364.2	September
1,099.8	734.4	365.4	October
1,103.2	740.2	362.6	November
1,102.9	738.6	364.3	December
			1988
1,094.4	732.6	361.9	January
1,092.4	732.3	360.1	February
1,088.6	729.0	359.7	March
1,097.7	737.1	360.6	April
1,099.9	738.6	361.3	May
1,104.9	741.3	363.6	June

Production Workers in Manufacturing

	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1977	958.0	$271.2	40.2
1978	985.5	302.5	41.5
1979	979.0	318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.4	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.5	369.1	31.9
1987	748.5	374.0	31.9
1987			
June	748.3	373.0	31.9
July	735.3	356.7	30.8
August	749.2	368.9	31.7
September	760.8	380.5	32.4
October	753.7	380.3	32.3
November	759.0	388.2	32.8
December	758.6	388.9	32.6
1988			
January	750.1	380.8	32.1
February	748.5	376.4	31.7
March	744.5	378.6	31.8
April	752.3	388.8	32.4
May	754.3	389.5	32.4
June	758.0	394.8	32.8

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$283.08	$292.02	$258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.60	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
			1987
499.42	517.37	453.95	June
485.20	501.76	450.02	July
492.37	510.00	453.36	August
500.12	516.67	461.92	September
504.50	524.02	461.07	October
511.49	531.57	466.90	November
512.67	532.36	469.27	December
			1988
507.61	527.11	464.45	January
502.86	525.16	454.27	February
508.56	530.56	460.74	March
516.86	538.22	465.89	April
516.43	540.27	460.90	May
520.90	543.63	467.42	June

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
			1987
42.8	42.9	41.8	June
41.9	42.2	41.4	July
42.3	42.5	41.9	August
42.6	42.7	42.3	September
42.9	43.2	42.3	October
43.2	43.5	42.6	November
43.3	43.6	42.7	December
			1988
42.8	43.1	42.3	January
42.4	42.8	41.6	February
42.7	43.1	42.0	March
43.0	43.3	42.2	April
43.0	43.5	41.9	May
43.3	43.7	42.3	June

Production Workers Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1977	$6.74	$6.92	$6.24
1978	7.29	7.49	6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1987	11.73	12.11	10.86
1987			
June	11.70	12.06	10.86
July	11.58	11.89	10.87
August	11.64	12.00	10.82
September	11.74	12.10	10.92
October	11.76	12.13	10.90
November	11.84	12.22	10.96
December	11.84	12.21	10.99
1988			
January	11.86	12.23	10.98
February	11.86	12.27	10.92
March	11.91	12.31	10.97
April	12.02	12.43	11.04
May	12.01	12.42	11.00
June	12.03	12.44	11.05

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

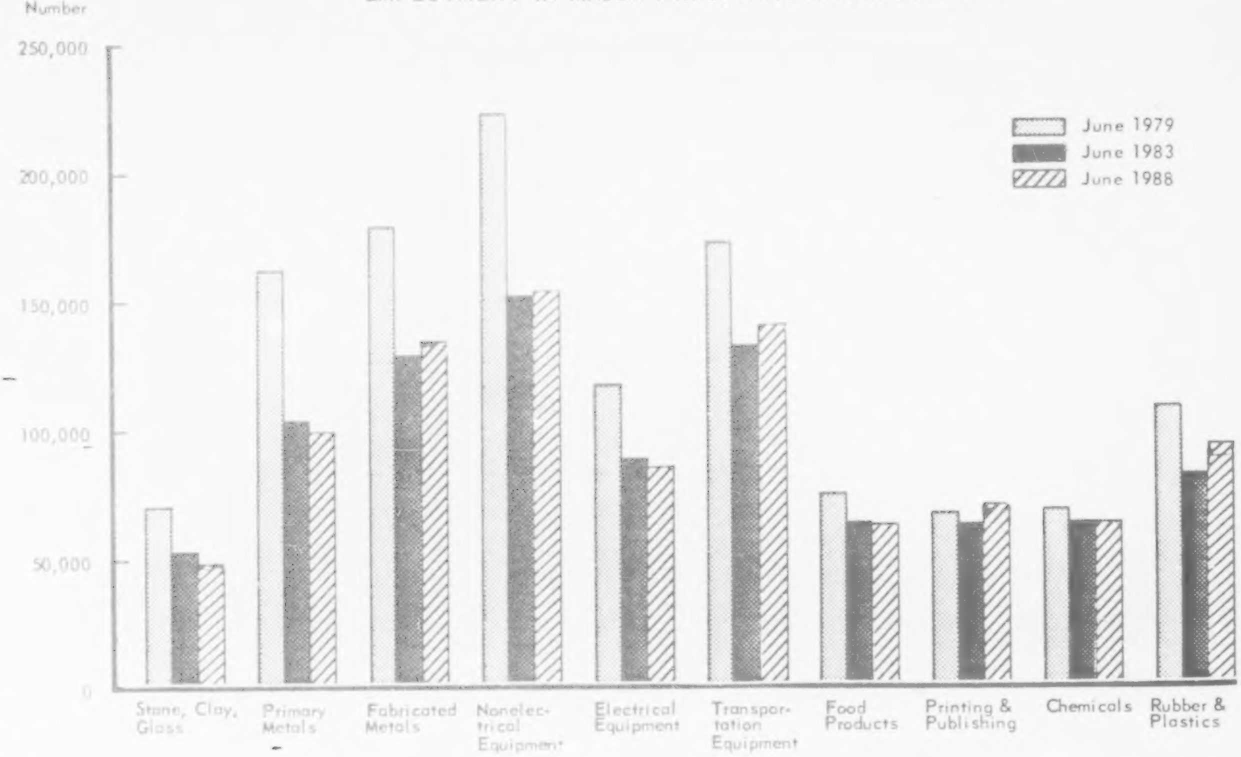
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.7	95.0	134.4	June	155.7	85.8	148.5	June	62.9	69.8	92.5
48.1	93.5	131.6	July	153.4	85.9	142.1	July	63.4	70.6	91.6
48.5	95.3	132.8	August	153.8	85.4	145.6	August	63.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	63.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
48.9	99.7	135.5	June	156.4	85.4	140.9	June	63.3	70.8	94.8

Average Weekly Earnings of Production Workers

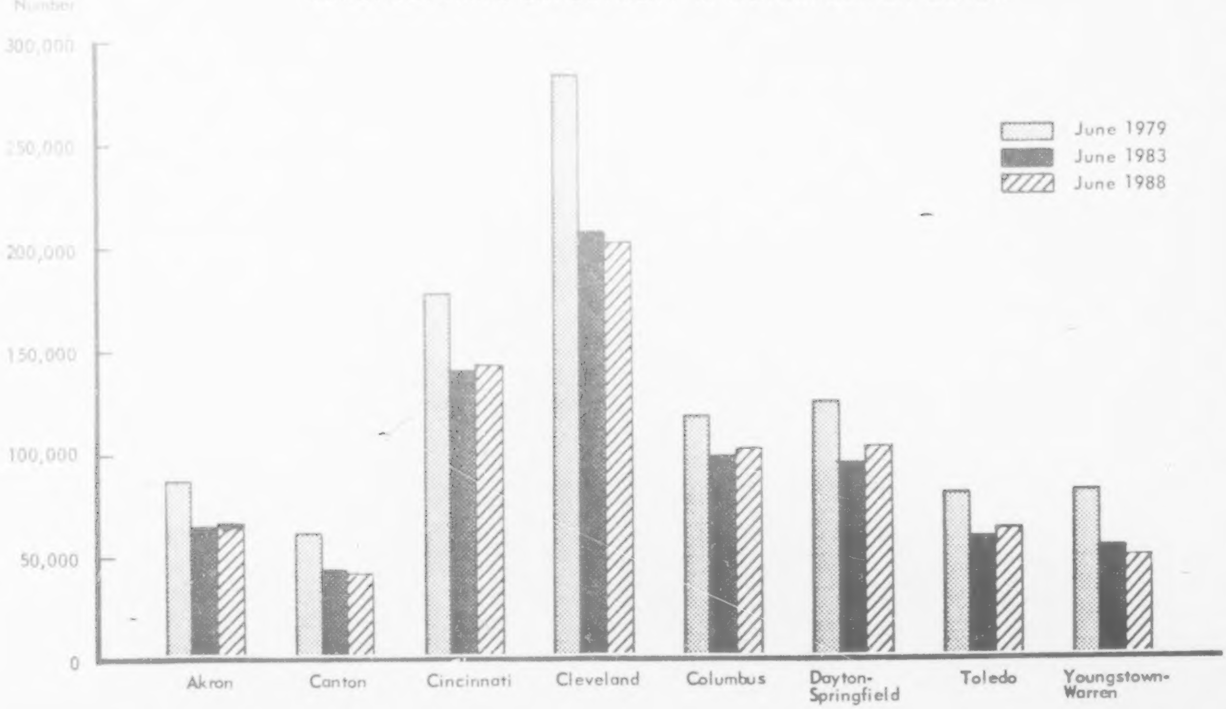
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	325.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
468.72	639.85	525.82	June	530.75	469.96	680.40	June	442.85	439.09	452.23

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	June 1988[b]	May 1988[c]	June 1987[c]	From Last Month	From Last Year
TOTAL	4726.6	4704.6	4611.6	22.0	115.1
MANUFACTURING	1104.9	1099.7	1097.6	5.2	7.3
Durable Goods[e]	741.3	738.4	739.1	2.8	2.2
Lumber and wood products	22.1	21.7	19.9	.4	2.2
Furniture and fixtures	14.4	14.3	14.5	.1	-.1
Stone, clay, and glass products	48.9	48.3	48.7	.6	.3
Glass and glassware, pressed or blown	9.8	9.6	10.1	.2	-.3
Primary metal industries	99.7	99.2	95.0	.5	4.7
Blast furnace and basic steel products	45.3	45.5	43.0	-.2	2.3
Iron and steel foundries	21.2	21.0	19.5	.2	1.7
Nonferrous rolling and drawing	18.0	17.6	17.0	.4	1.0
Fabricated metal products	135.5	134.8	134.4	.7	1.1
Cutlery, hand tools, and hardware	9.9	9.9	9.5	.1	.4
Fabricated structural metal products	28.7	28.5	29.4	.2	-.8
Metal forgings and stampings	43.1	42.7	43.2	.4	-.1
Machinery, except electrical	156.4	155.6	155.7	.8	.7
Construction and related machinery	12.6	12.5	12.4	.2	.2
Metalworking machinery	39.9	39.8	40.2	.1	-.3
Special industry machinery	17.2	17.1	16.7	.2	.5
General industrial machinery	27.7	27.7	27.7	.0	.0
Office and computing machines	13.5	13.3	13.7	.2	-.2
Refrigeration and service machinery	15.8	15.7	16.3	.1	-.5
Electric and electronic equipment	85.4	85.5	85.8	-.2	-.4
Electrical industrial apparatus	16.7	16.6	15.8	.1	.9
Household appliances	15.4	15.4	16.4	.0	-1.0
Electric lighting and wiring equipment	16.8	16.9	17.0	-.2	-.2
Communication equipment	10.0	10.0	10.2	.0	-.2
Transportation equipment	140.9	141.3	148.5	-.4	-7.6
Motor vehicles and equipment	92.5	92.8	93.9	-.3	-1.4
Aircraft and parts	39.2	39.4	45.0	-.2	-5.7
Instruments and related products	23.5	23.3	22.8	.2	.7
Measuring and controlling devices	12.8	12.8	12.7	.0	.1
Nondurable Goods[f]	363.6	361.3	358.5	2.3	5.1
Food and kindred products	63.3	62.4	62.9	.8	.4
Meat products	9.1	9.2	9.7	-.1	-.6
Dairy products	11.0	10.9	10.5	.1	.5
Preserved fruits and vegetables	10.7	10.4	10.1	.3	.6
Bakery products	9.1	9.0	8.9	.1	.2
Beverages	9.4	9.2	9.7	.2	-.3
Apparel and other textile products	16.5	16.5	15.8	.0	.6
Paper and allied products	37.6	37.6	37.0	.1	.6
Misc. converted paper products	12.3	12.2	11.9	.2	.4
Paperboard containers and boxes	13.1	13.2	12.7	.0	.4
Printing and publishing	70.8	70.5	69.8	.3	1.0
Newspapers	19.2	19.1	19.2	.1	.0
Commercial printing	26.2	26.1	26.2	.0	.0
Chemicals and allied products	63.8	63.5	63.4	.4	.4
Industrial inorganic chemicals	9.3	9.3	9.3	.0	.0
Rubber and misc. plastics products	94.3	94.1	92.5	.3	1.9
Tires and inner tubes	17.0	17.0	17.3	.0	-.2
Miscellaneous plastics products	56.3	56.2	54.8	.1	1.5

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	June 1988[b]	May 1988[c]	June 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3621.8	3605.0	3514.0	16.8	107.8
MINING	20.3	19.9	21.1	.4	-.7
Bituminous coal and lignite mining	8.6	8.5	9.2	.1	-.7
Oil and gas extraction	6.8	6.6	6.9	.2	-.1
CONSTRUCTION	200.4	191.0	184.4	9.4	16.0
General building contractors	50.6	48.0	46.1	2.6	4.5
Heavy construction contractors	28.3	26.5	25.6	1.8	2.7
Highway and street construction	13.6	12.2	11.4	1.3	2.1
Special trade contractors	121.5	116.5	112.7	5.0	8.8
TRANSPORTATION AND PUBLIC UTILITIES	210.6	209.3	208.5	1.3	2.1
Railroad transportation	13.6	13.6	14.5	.0	-.9
Transportation, except railroads	107.7	106.6	104.6	1.1	3.1
Trucking and warehousing	74.0	73.3	72.5	.7	1.5
Communication, electric, gas services	89.4	89.1	89.5	.3	-.1
Communication	47.6	47.5	47.3	.1	.3
Electric, gas, and sanitary services	41.8	41.6	42.2	.2	-.4
WHOLESALE TRADE	257.3	255.3	250.4	2.1	6.9
Wholesale trade-durable goods	161.3	160.1	157.2	1.2	4.0
Motor vehicles & automotive equipment	22.5	22.3	21.9	.2	.6
Electrical goods	19.6	19.5	19.3	.0	.2
Machinery, equipment, and supplies	68.9	68.5	67.3	.4	1.5
Wholesale trade-nondurable goods	96.1	95.2	93.2	.9	2.9
Groceries and related products	30.2	29.7	29.3	.5	.9
RETAIL TRADE	877.1	870.9	851.5	6.2	25.6
General merchandise stores	116.3	116.1	115.1	.2	1.2
Department stores	101.1	100.9	100.5	.2	.6
Food stores	133.4	132.9	131.3	.5	2.1
Automotive dealers & service stations	96.8	95.9	93.8	.9	3.0
Apparel and accessory stores	43.1	43.0	40.7	.2	2.4
Eating and drinking places	314.0	310.5	305.3	3.5	8.8
FINANCE, INSURANCE, AND REAL ESTATE	252.2	250.1	244.7	2.1	7.5
Banking	64.4	63.9	63.3	.5	1.1
Credit agencies other than banks	38.4	38.2	37.5	.2	.9
Insurance carriers	69.4	69.1	68.1	.3	1.3
Life insurance	25.9	25.8	26.0	.1	.0
Fire, marine, and casualty insurance	30.8	30.7	29.9	.2	.9
SERVICES	1108.8	1098.0	1065.9	10.8	42.9
Hotels and other lodging places	36.9	35.6	36.1	1.3	.8
Personal services	58.1	58.0	56.0	.1	2.1
Laundry, cleaning, & garment services	19.3	19.2	18.9	.1	.4
Business services	224.5	220.9	210.0	3.6	14.6
Services to buildings	31.7	31.3	29.7	.4	2.0
Computer and data processing services	20.6	20.3	18.5	.3	2.1
Amusement and recreation services	54.6	48.4	53.6	6.2	1.1
Health services	370.5	368.0	360.3	2.4	10.2
Nursing and personal care facilities	82.4	81.8	79.6	.6	2.8
Hospitals	178.9	177.9	177.0	1.0	1.9
Educational services	57.4	62.4	56.1	-5.0	1.3
Colleges and universities	28.4	32.6	28.2	-4.2	.2
GOVERNMENT	695.0	710.5	687.5	-15.5	7.5
Federal government	94.7	94.6	95.2	.2	-.5
State government	152.9	162.4	149.9	-9.5	3.1
State government education[1]	76.3	87.5	74.5	-11.1	1.8
State government, except education	76.6	75.0	75.3	1.7	1.3
Local government	447.4	453.5	442.5	-6.2	4.9
Local government education	256.6	267.6	251.6	-11.1	5.0
Local government, except education	190.8	185.9	190.9	4.9	-.1

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]
MANUFACTURING	$520.90	$516.43	$498.42	43.3	43.0	42.6	$12.03	$12.01	$11.70
Durable Goods[e]	543.63	540.27	517.37	43.7	43.5	42.9	12.44	12.42	12.06
Lumber and wood products	316.01	313.88	305.34	41.8	41.3	41.6	7.56	7.60	7.34
Furniture and fixtures	362.15	363.04	349.66	40.6	40.7	40.8	8.92	8.92	8.57
Stone, clay, and glass products	468.72	468.70	453.46	43.2	43.0	42.3	10.85	10.90	10.72
Glass and glassware, pressed or blown.	489.94	490.89	455.31	42.2	42.1	39.8	11.61	11.66	11.44
Primary metal industries	639.85	633.36	599.86	45.9	45.5	44.5	13.94	13.92	13.48
Blast furnace and basic steel products	661.27	656.04	627.41	46.7	46.2	45.3	14.16	14.20	13.85
Iron and steel foundries	667.99	662.27	623.12	46.1	45.8	44.7	14.49	14.46	13.94
Nonferrous rolling and drawing	658.38	644.98	594.30	43.4	43.2	42.0	15.17	14.93	14.15
Fabricated metal products	525.82	518.06	501.50	43.6	43.1	42.9	12.06	12.02	11.69
Cutlery, hand tools, and hardware	510.02	494.46	466.72	41.6	41.0	40.2	12.26	12.06	11.61
Fabricated structural metal products	459.67	447.20	461.78	42.8	41.6	43.4	10.74	10.75	10.64
Metal forgings and stampings	657.55	648.17	619.16	45.6	45.2	44.1	14.42	14.34	14.04
Machinery, except electrical	530.75	526.59	505.36	43.9	43.7	42.9	12.09	12.05	11.78
Construction and related machinery	419.42	409.02	428.26	40.8	40.1	41.7	10.28	10.20	10.27
Metalworking machinery	498.82	495.00	480.20	44.3	44.0	43.3	11.26	11.25	11.09
Special industry machinery	520.50	512.96	484.92	45.3	44.8	42.8	11.49	11.45	11.33
General industrial machinery	553.35	559.33	532.29	43.4	43.8	43.1	12.75	12.77	12.35
Office and computing machines	435.72	417.59	403.94	41.3	40.9	41.6	10.55	10.21	9.71
Refrigeration and service machinery	663.11	652.15	576.20	45.7	45.1	43.0	14.51	14.46	13.40
Electric and electronic equipment	469.96	469.25	457.32	41.7	41.6	41.2	11.27	11.28	11.10
Electrical industrial apparatus	469.94	465.63	471.65	42.8	42.1	42.3	10.98	11.06	11.15
Household appliances	485.62	490.45	457.85	40.3	40.6	39.3	12.05	12.08	11.65
Electric lighting and wiring equipment	482.51	481.82	471.44	41.1	41.5	41.5	11.74	11.61	11.36
Communication equipment	484.30	503.87	509.96	40.8	42.2	41.8	11.87	11.94	12.20
Transportation equipment	680.40	678.00	628.65	45.0	45.2	43.9	15.12	15.00	14.32
Motor vehicles and equipment	714.10	711.91	648.40	45.6	45.9	43.9	15.66	15.51	14.77
Aircraft and parts	589.25	586.09	588.30	43.2	43.0	44.2	13.64	13.63	13.31
Instruments and related products	366.80	359.20	363.77	40.0	39.3	39.8	9.17	9.14	9.14
Measuring and controlling devices	350.74	352.20	351.71	38.0	38.2	37.9	9.23	9.22	9.28
Nondurable Goods[f]	467.42	460.90	453.95	42.3	41.9	41.8	11.05	11.00	10.86
Food and kindred products	442.85	436.31	445.79	41.7	41.2	42.7	10.62	10.59	10.44
Meat products	384.14	382.39	387.94	41.8	41.7	43.2	9.19	9.17	8.98
Dairy products	459.89	452.15	459.65	42.9	42.1	43.2	10.72	10.74	10.64
Preserved fruits and vegetables	463.84	444.21	427.18	41.6	40.2	40.8	11.15	11.05	10.47
Bakery products	466.80	464.11	475.73	40.0	39.6	40.8	11.67	11.72	11.66
Beverages	446.68	423.69	446.09	42.1	40.7	43.1	10.61	10.41	10.35
Apparel and other textile products	305.47	303.11	279.74	40.3	40.2	37.6	7.58	7.54	7.44
Paper and allied products	501.30	486.41	508.03	44.6	43.9	45.4	11.24	11.08	11.19
Misc. converted paper products	435.16	426.51	458.20	43.0	43.3	44.1	10.12	9.85	10.39
Paperboard containers and boxes	443.70	439.64	448.00	43.5	43.4	44.4	10.20	10.13	10.09
Printing and publishing	439.09	445.31	422.28	39.1	39.2	38.6	11.23	11.36	10.94
Newspapers	374.83	375.06	368.90	34.9	34.6	35.0	10.74	10.84	10.54
Commercial printing	428.93	439.39	408.86	39.9	40.2	39.2	10.75	10.93	10.43
Chemicals and allied products	559.43	540.47	529.61	43.0	41.8	41.8	13.01	12.93	12.67
Industrial inorganic chemicals	591.33	588.64	579.61	43.9	43.7	42.4	13.47	13.47	13.67
Rubber and misc. plastics products	452.23	452.92	441.58	43.4	43.3	42.5	10.42	10.46	10.39
Tires and inner tubes	685.70	700.38	640.59	46.3	47.1	45.4	14.81	14.87	14.11
Miscellaneous plastics products	431.57	433.29	426.89	42.9	42.9	42.1	10.06	10.10	10.14

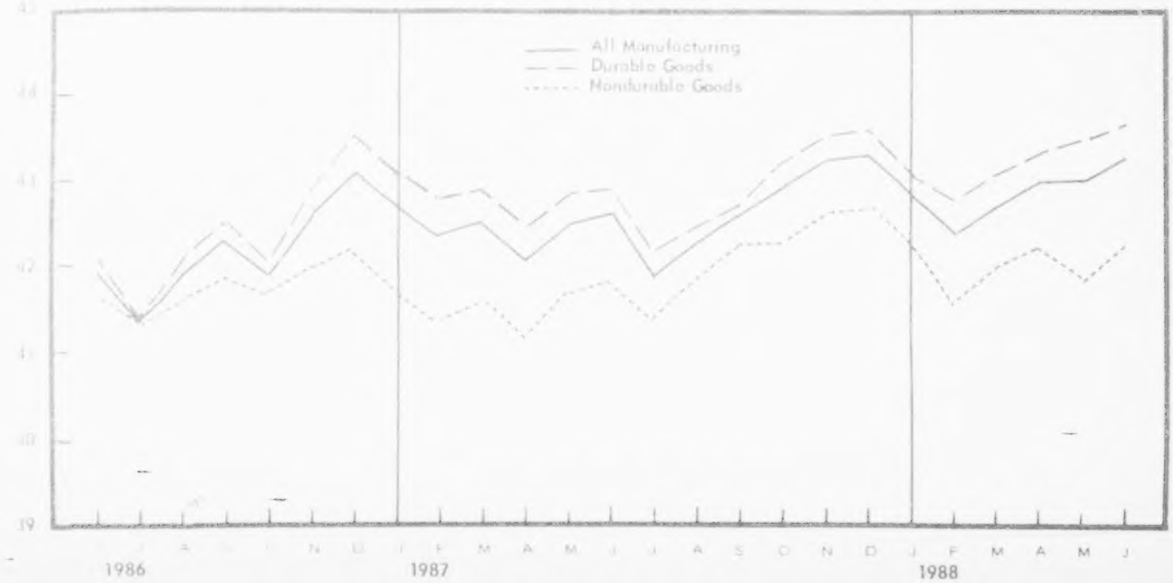
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]
MINING	$531.42	$528.67	$519.87	43.1	42.6	42.3	$12.33	$12.41	$12.29
Bituminous coal and lignite mining	629.54	632.30	622.80	41.2	41.3	40.6	15.28	15.31	15.34
CONSTRUCTION	589.82	573.53	560.38	39.4	38.7	38.7	14.97	14.82	14.48
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	564.10	561.25	555.67	40.7	40.7	41.1	13.86	13.79	13.52
Communication	542.40	535.06	547.24	40.0	39.9	40.9	13.56	13.41	13.38
Electric, gas, and sanitary services	590.72	593.39	566.22	41.6	41.7	41.3	14.20	14.23	13.71
WHOLESALE TRADE	386.88	388.08	375.14	39.0	39.2	39.2	9.92	9.90	9.57
Wholesale trade-durable goods	380.83	381.42	371.45	39.1	39.2	39.1	9.74	9.73	9.50
Wholesale trade-nondurable goods	397.17	399.45	381.79	38.9	39.2	39.4	10.21	10.19	9.69
RETAIL TRADE[h]	166.18	163.86	161.29	28.8	28.3	28.7	5.77	5.79	5.62
General merchandise stores	178.13	176.88	182.90	28.5	28.3	29.5	6.25	6.25	6.20
Department stores	182.47	181.48	188.26	28.6	28.4	29.6	6.38	6.39	6.36
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	268.93	265.10	258.56	....	....	....	.....	.....	.....
Credit agencies other than banks	267.78	266.94	249.79	....	....	....	.....	.....	.....
Insurance carriers	370.30	371.47	346.00	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	338.66	336.96	330.01	33.3	33.1	33.2	10.17	10.18	9.94

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



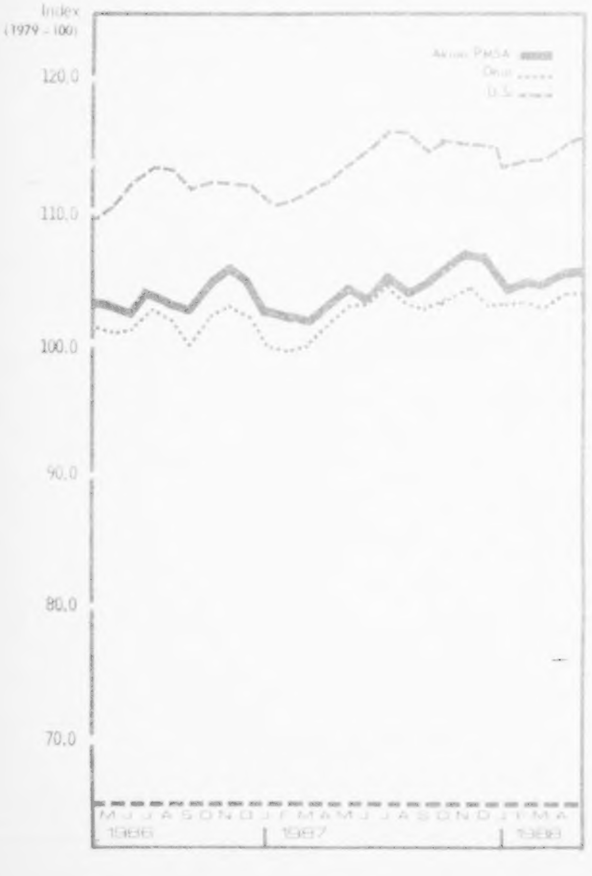
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

SUMMIT
PORTAGE

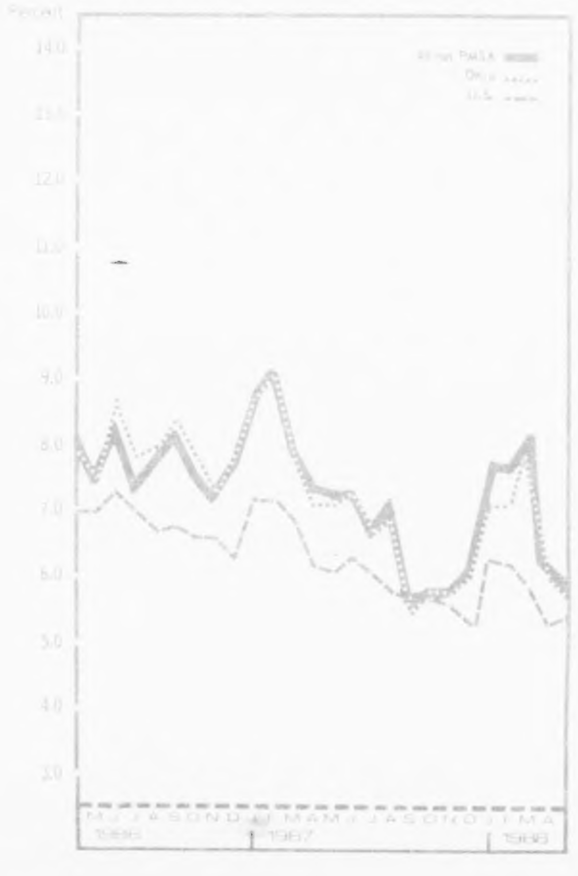
Nonagricultural wage and salary employment in the Akron metropolitan area totaled 269,700 in June, down 3,400 from the May 1988 level. The loss was concentrated in the nonmanufacturing sector. Although a significant gain was noted in services, seasonal declines in state and local nonteaching personnel contributed to the overall loss of 3,700 nonmanufacturing jobs. Manufacturing employment increased 300 over the month, to 67,200. Modest improvements occurred in nonelectrical machinery and rubber and miscellaneous plastics products. Production workers earned an average of $11.[illegible] per hour, $.03 less than last month. Their average workweek, 43.8 hours, was .5 hours longer.

Total nonfarm payroll employment advanced 7,600 between June 1987 and June 1988. Expansion in the nonmanufacturing sector netted 88.2 percent of the gain. Primary growth sectors were services, local schools, and retail trade. The manufacturing workforce increased 900 over the year with moderate gains in nonelectrical machinery, especially metalworking machinery, and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

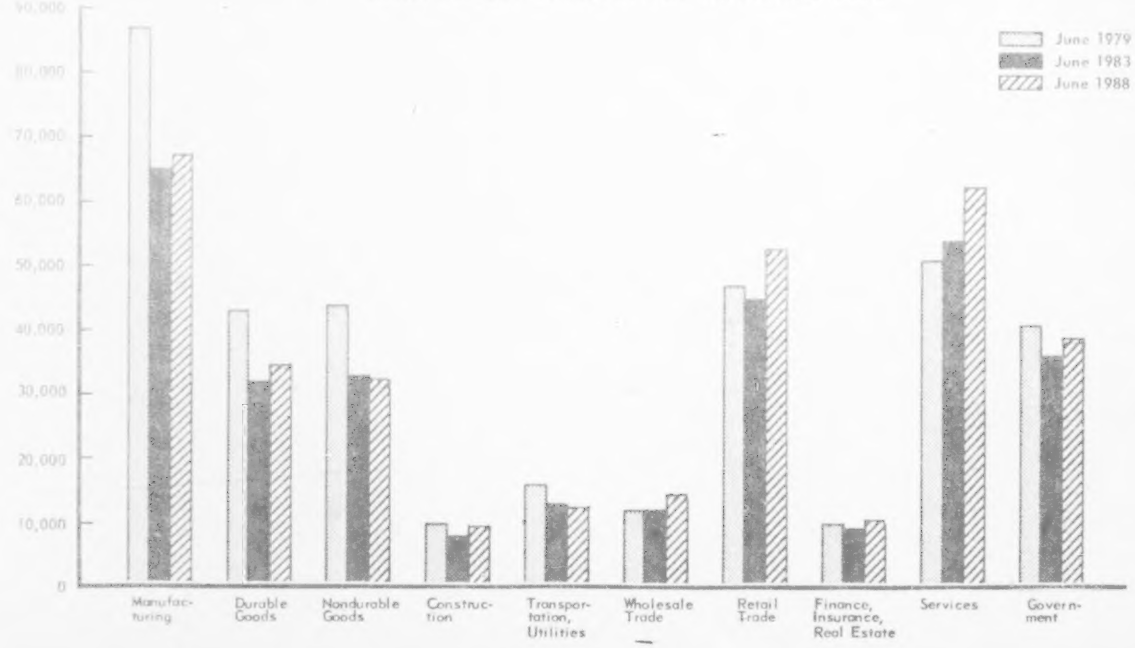


(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
321.7	298.3	23.5	7.3	May	265.9	66.1	35.7	487.19	43.0	11.33
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.5	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
320.0	301.5	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
INA	INA	INA	INA	June	269.7	67.2	37.2	509.39	43.8	11.63

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	June 1988[b]	May 1988[c]	June 1987[c]	From Last Month	From Last Year
TOTAL	269.7	273.1	262.1	-3.4	7.6
MANUFACTURING	67.2	66.8	66.3	.3	.9
Durable Goods[e]	34.6	34.5	33.9	.2	.7
Fabricated metal products	11.6	11.6	11.5	.0	.1
Machinery, except electrical	9.9	9.7	9.2	.2	.6
Metalworking machinery	3.5	3.5	3.2	.0	.3
Nondurable Goods[f]	32.5	32.4	32.3	.2	.2
Food and kindred products	3.0	3.0	3.0	.0	.0
Chemicals and allied products	2.9	2.9	3.0	.0	-.1
Rubber and misc. plastics products	21.1	20.9	20.8	.1	.3
Tires and inner tubes	12.7	12.7	13.0	.0	-.3
NONMANUFACTURING[g]	202.5	206.2	195.8	-3.7	6.7
CONSTRUCTION	9.9	9.5	9.4	.5	.6
TRANSPORTATION AND PUBLIC UTILITIES	12.9	12.8	12.9	.1	.0
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.5	14.3	14.1	.2	.4
RETAIL TRADE	52.5	52.0	51.5	.5	.9
General merchandise stores	6.0	5.9	6.1	.1	-.2
FINANCE, INSURANCE, AND REAL ESTATE	10.9	10.8	10.5	.1	.4
Banking	3.2	3.2	3.1	.0	.1
SERVICES	62.4	61.3	58.9	1.1	3.5
Business services	11.8	11.7	11.1	.1	.7
Amusement and recreation services	4.8	4.2	4.3	.6	.5
Health services	20.4	20.2	19.2	.2	1.2
GOVERNMENT	38.8	45.0	38.0	-6.2	.8
State government	11.2	16.7	10.7	-5.5	.5
State government education[i]	8.2	13.7	7.6	-5.6	.5
State government, except education	3.1	3.0	3.1	.1	.0
Local government	25.2	26.0	24.8	-.8	.4
Local government education	13.9	15.0	12.9	-1.1	1.1
Local government, except education	11.2	11.0	11.9	.3	-.6

Hours & Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

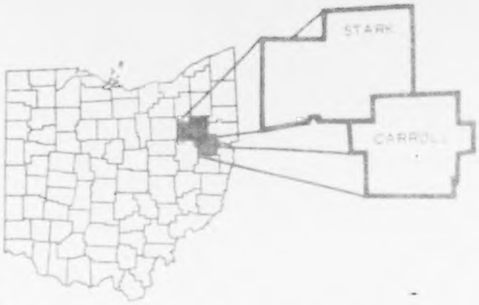
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]
MANUFACTURING	$509.39	$504.88	$488.32	43.8	43.3	43.1	$11.63	$11.66	$11.33
Durable Goods[e]	529.32	522.87	516.12	44.0	43.5	44.0	12.03	12.02	11.73
Fabricated metal products	680.15	668.29	635.56	46.3	45.4	45.3	14.69	14.72	14.03
Machinery, except electrical	465.33	460.28	474.37	44.7	44.3	45.7	10.41	10.39	10.38
Metalworking machinery	494.34	483.21	470.32	46.2	45.5	46.2	10.70	10.62	10.18
Nondurable Goods[f]	481.11	478.59	446.84	43.5	43.0	41.8	11.06	11.13	10.69
Food and kindred products	465.65	449.17	462.93	43.6	41.9	42.2	10.68	10.72	10.97
Chemicals and allied products	488.97	499.80	454.80	41.9	42.5	40.0	11.67	11.76	11.37
Rubber and misc. plastics products	510.76	505.08	469.81	45.2	44.5	43.3	11.30	11.35	10.85
Tires and inner tubes	811.34	811.34	732.96	50.3	50.3	48.0	16.13	16.13	15.27
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	560.85	562.78	573.61	40.7	40.9	41.9	13.78	13.76	13.69
WHOLESALE TRADE	354.43	348.81	336.80	38.4	38.5	37.8	9.23	9.06	8.91
RETAIL TRADE[h]	195.62	195.31	194.91	31.5	31.3	31.9	6.21	6.24	6.11

[a] See Technical for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	June 1988	May 1988	June 1987
Employment Service Program			
New Applicants	2,619	2,621	3,773
Active File of Job Seekers	17,303	17,763	19,353
Referrals to Jobs	1,511	1,492	1,793
Placements	641	339	336
Job Openings Received	1,475	946	1,129
Job Openings Unfilled	1,993	1,582	2,473
Unemployment Insurance Program			
Initial Claims	2,133	2,153	2,871
Continued Claims	19,968	22,128	27,290
First Payments	880	823	1,192
Last Payments	437	394	454
Weeks Compensated	17,328	17,034	20,147
Benefits Paid	$2,550,683	$2,580,200	$2,992,957
Average Weekly Payment	$151.30	$155.01	$152.55

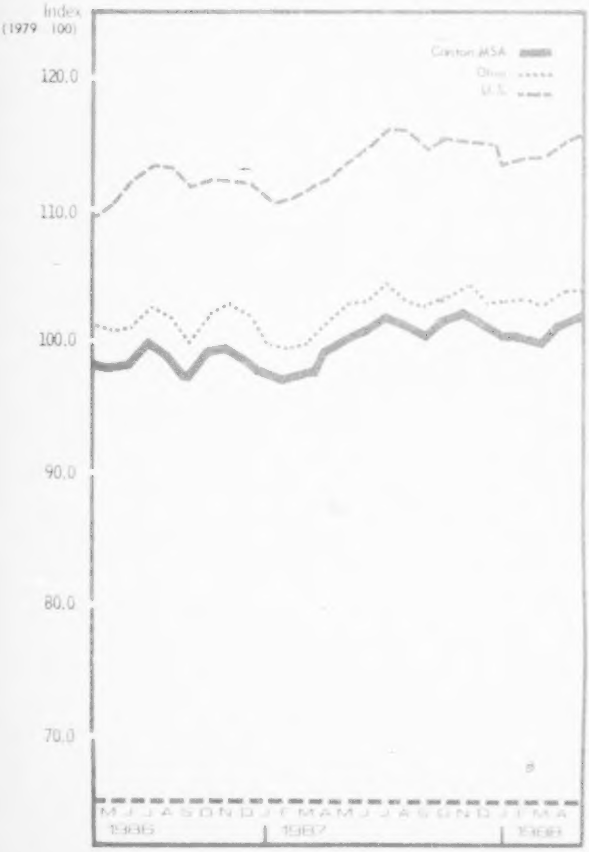
CANTON
METROPOLITAN STATISTICAL AREA

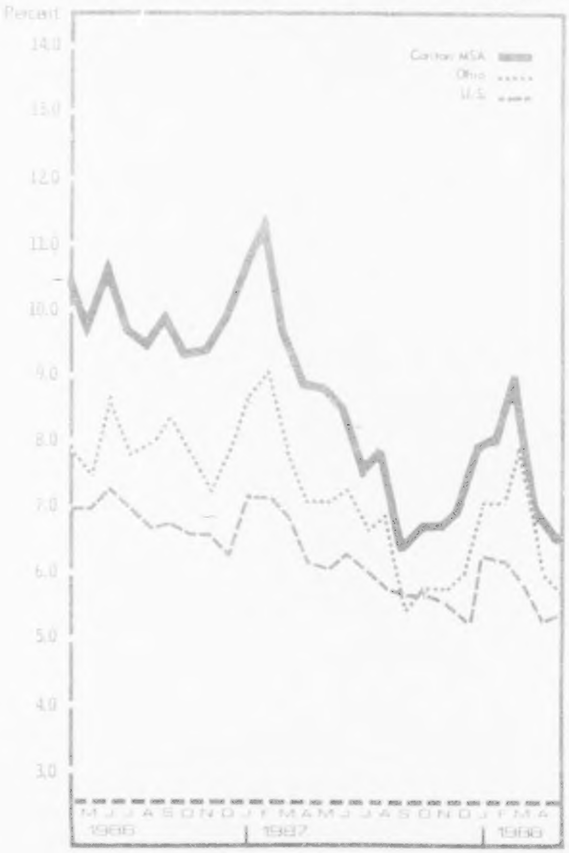


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

Total nonfarm wage and salary employment in the Canton metropolitan area increased 1,700 from May, to 161,900 in June 1988. Scattered gains in nonmanufacturing employment, especially in construction and services, contributed most to the improvement. The manufacturing labor force added 300 jobs over the month. Production worker average hourly earnings dropped $.08 from May, to $11.31 per hour in June. Their average workweek was .3 hours shorter, at 42.9 hours.

Between June 1987 and June 1988, nonagricultural payroll employment rose 4,600. A major portion of the growth occurred in construction and services. Moderate improvement was also noted in retail trade. Manufacturing employment lost 100 workers over the year due chiefly to reductions in fabricated metal products and food and kindred products.


INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

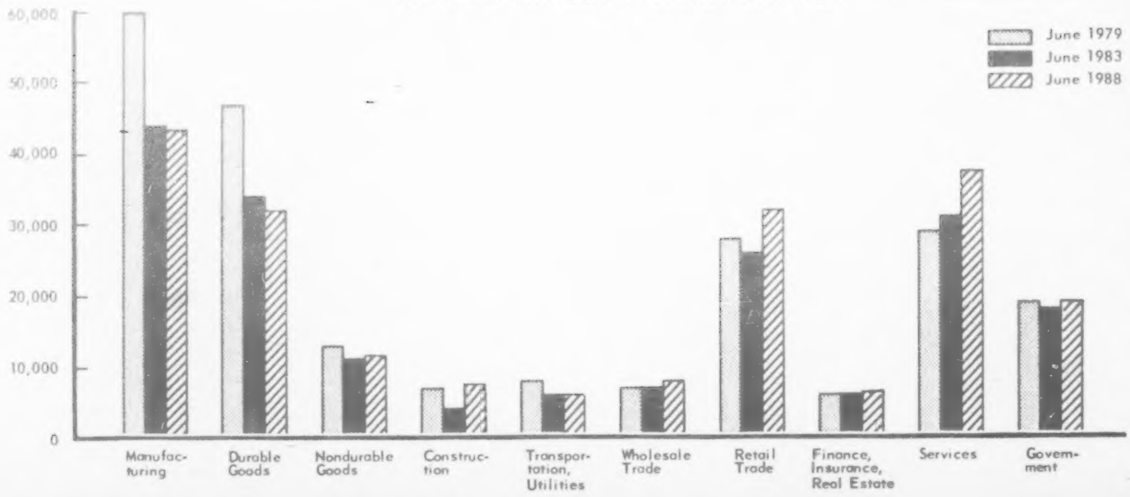

UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
191.2	174.4	16.7	8.7	May	156.3	43.5	30.6	486.35	42.7	11.39
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.[illegible]	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
190.2	177.7	12.4	6.5	May	160.2	43.4	30.8	492.05	43.2	11.39
INA	INA	INA	INA	June	161.9	43.7	31.0	485.20	42.9	11.31

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	June 1988[b]	May 1988[c]	June 1987[c]	From Last Month	From Last Year
TOTAL	161.9	160.2	157.3	1.7	4.6
MANUFACTURING	43.7	43.4	43.8	.3	-.1
Durable Goods[e]	32.0	31.8	32.2	.1	-.2
Primary metal industries	10.7	10.6	10.6	.1	.1
Fabricated metal products	6.2	6.2	6.6	.0	-.4
Metel forgings and stampings	1.9	1.9	2.2	.0	-.3
Nondurable Goods[f]	11.7	11.6	11.6	.1	.1
Food and kindred products	3.3	3.3	3.5	.0	-.2
Rubber and misc. plastics products	3.0	3.0	2.9	.0	.1
NONMANUFACTURING[g]	118.3	116.8	113.5	1.4	4.7
CONSTRUCTION	7.7	7.3	6.4	.4	1.3
TRANSPORTATION AND PUBLIC UTILITIES	6.1	5.9	5.7	.2	.4
Communication, electric, gas services	2.7	2.6	2.6	.1	.1
WHOLESALE TRADE	8.2	8.0	8.1	.2	.1
Wholesale trade-durable goods	4.6	4.4	4.5	.1	.0
RETAIL TRADE	32.0	31.8	31.2	.1	.8
General merchandise stores	4.0	3.9	3.8	.1	.1
Food stores	5.1	5.1	5.1	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.4	6.5	.1	.0
Banking	1.9	1.9	1.9	.0	.0
SERVICES	37.3	36.9	36.0	.4	1.3
Health services	15.4	15.4	15.0	.0	.3
GOVERNMENT	19.3	19.5	18.7	-.1	.6
State government (includes education)	1.7	1.8	1.7	-.1	.0
Local government	16.1	16.3	15.5	-.1	.7
Local government education	9.2	9.4	9.0	-.2	.2
Local government, except education	7.0	6.9	6.5	.1	.5

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]
MANUFACTURING	$485.20	$492.05	$479.39	42.9	43.2	42.2	$11.31	$11.39	$11.36
Durable Goods[e]	507.48	515.22	509.44	43.3	43.7	43.1	11.72	11.79	11.82
Primary metal industries	604.77	610.77	591.30	46.7	47.2	45.0	12.95	12.94	13.14
Fabricated metal products	438.46	444.94	471.24	41.6	41.7	42.0	10.54	10.67	11.22
Metal forgings and stampings	570.00	579.68	629.42	40.0	40.2	43.2	14.25	14.42	14.57
Nondurable Goods[f]	419.67	423.61	390.46	41.8	41.9	39.6	10.04	10.11	9.86
Food and kindred products	444.57	444.04	408.24	40.6	40.7	40.5	10.95	10.91	10.08
Rubber and misc. plastics products	418.37	423.19	419.80	41.3	41.9	41.4	10.13	10.10	10.14
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	545.11	543.65	544.66	40.2	40.3	41.2	13.56	13.49	13.22
WHOLESALE TRADE	381.30	380.89	360.01	37.2	37.6	37.0	10.25	10.13	9.73
RETAIL TRADE[h]	160.52	158.08	154.37	29.4	28.9	28.8	5.46	5.47	5.36

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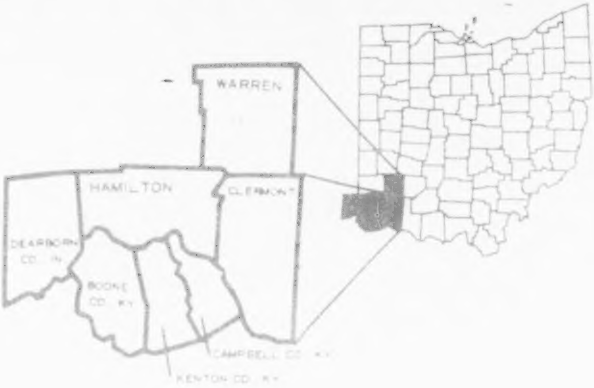
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	June 1988	May 1988	June 1987
Employment Service Program			
New Applicants	1,542	1,343	1,198
Active File of Job Seekers	12,069	12,276	12,783
Referrals to Jobs	1,147	1,129	831
Placements	190	183	282
Job Openings Received	681	629	517
Job Openings Unfilled	1,409	1,103	1,285
Unemployment Insurance Program			
Initial Claims	1,520	1,403	2,211
Continued Claims	13,158	14,343	18,505
First Payments	588	566	713
Last Payments	220	237	337
Weeks Compensated	11,262	10,828	13,015
Benefits Paid	$1,586,247	$1,529,491	$1,824,886
Average Weekly Payment	$145.29	$145.82	$144.99

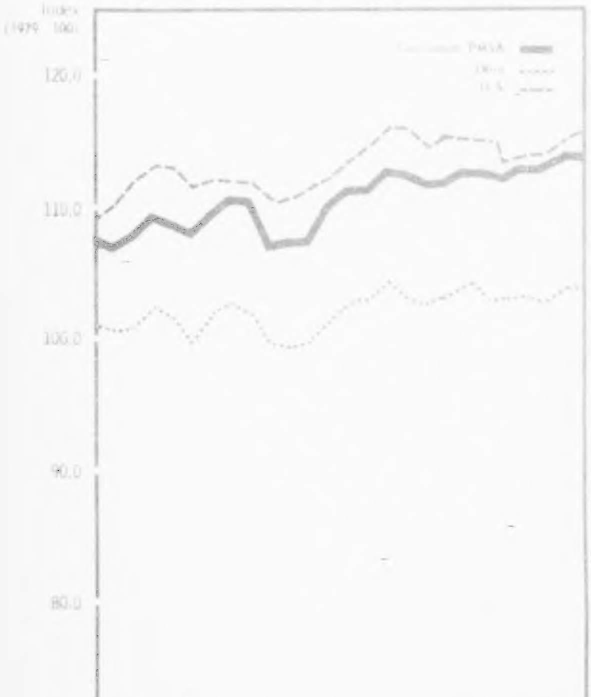
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



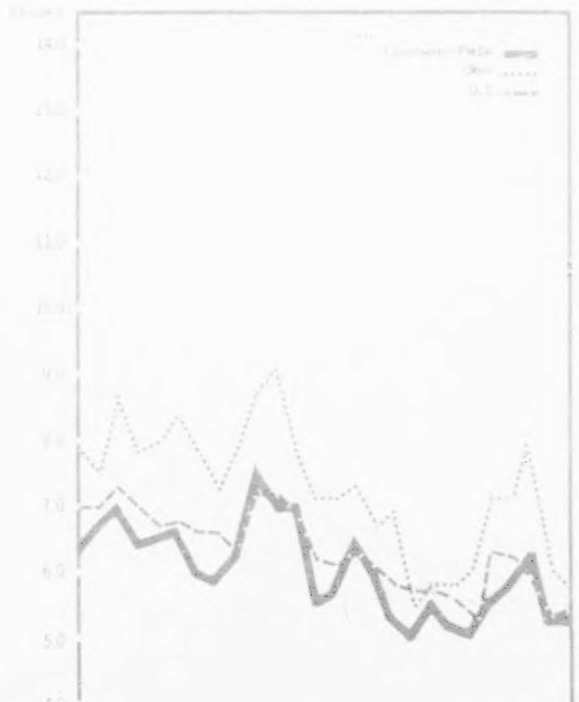
In the Cincinnati metropolitan area, total nonfarm payroll employment increased 3,500 from May, to 702,200 in June 1988. The improvement was concentrated in nonmanufacturing industries. Seasonal growth in services, especially amusement and recreation services, construction, and retail trade more than offset seasonal declines in state and local nonteaching personnel. Manufacturing employment, 143,200, was unchanged over the month. Production worker average hourly earnings increased $.04 from last month, to $11.10 per hour in June. They worked a slightly shorter workweek for an average of 42.0 hours.

Nonagricultural wage and salary employment advanced 22,000 between June 1987 and June 1988. Although nearly all nonmanufacturing industries recorded growth, significant expansion occurred in services, retail trade, and construction. Reductions in transportation equipment and nonelectrical machinery lowered manufacturing employment 1,500 over the year.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

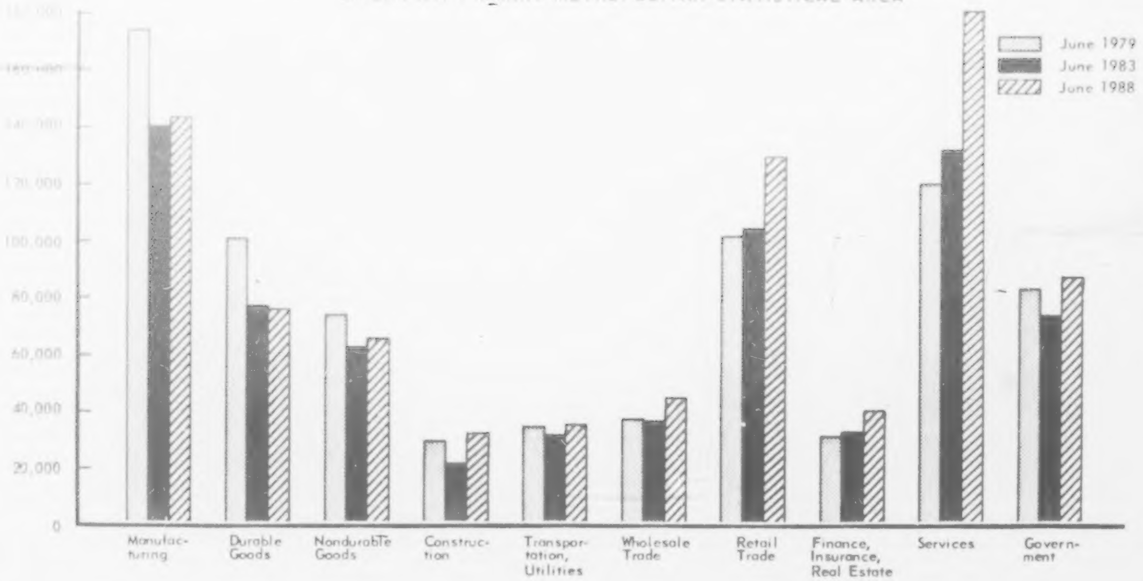


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
744.4	703.0	41.4	5.6	May	679.6	147.6	95.3	466.15	42.3	11.02
750.4	701.8	48.6	6.5	June	680.2	144.7	92.0	466.52	42.8	10.90
756.6	712.1	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.1	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.4	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
INA	INA	INA	INA	June	702.2	143.2	91.4	466.20	42.0	11.10

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	June 1988[b]	May 1988[c]	June 1987[c]	From Last Month	From Last Year
TOTAL	702.2	698.7	680.2	3.5	22.0
MANUFACTURING	143.2	143.2	144.7	.0	-1.5
Durable Goods[e]	76.4	76.7	78.1	-.3	-1.7
Fabricated metal products	9.8	10.0	10.2	-.1	-.3
Fabricated structural metal products	3.7	3.8	4.0	.0	-.3
Machinery, except electrical	20.4	20.4	21.0	.0	-.6
Metalworking machinery	8.0	7.9	8.4	.1	-.4
General industrial machinery	3.0	3.0	2.9	.0	.0
Electric and electronic equipment	7.7	7.7	7.5	.0	.3
Transportation equipment	24.2	24.2	25.8	.0	-1.6
Motor vehicles and equipment	4.8	4.9	5.1	.0	-.3
Nondurable Goods[f]	66.8	66.5	66.6	.3	.2
Food and kindred products	13.2	13.1	13.0	.0	.2
Beverages	3.4	3.4	3.6	.0	-.2
Apparel and other textile products	3.7	3.8	3.7	-.1	.0
Paper and allied products	5.9	5.8	6.1	.1	-.3
Printing and publishing	13.1	13.0	13.2	.1	-.2
Commercial printing	5.7	5.6	5.9	.1	-.2
Chemicals and allied products	22.7	22.5	22.5	.2	.2
Rubber and misc. plastics products	5.9	5.9	5.6	.1	.2
NONMANUFACTURING[g]	559.0	555.6	535.5	3.4	23.5
CONSTRUCTION	33.4	32.3	30.2	1.1	3.2
TRANSPORTATION AND PUBLIC UTILITIES	36.6	36.4	35.5	.2	1.1
Trucking and warehousing	10.5	10.4	10.0	.2	.6
Communication, electric, gas services	15.1	15.0	15.0	.1	.0
WHOLESALE TRADE	45.7	45.4	44.1	.4	1.7
Wholesale trade-durable goods	27.1	26.9	25.9	.2	1.2
RETAIL TRADE	130.2	129.3	125.9	.9	4.3
General merchandise stores	17.1	17.0	17.6	.1	-.5
FINANCE, INSURANCE, AND REAL ESTATE	42.3	41.8	40.6	.4	1.7
Banking	9.3	9.1	8.7	.2	.5
Insurance carriers	14.3	14.2	13.9	.1	.5
SERVICES	182.4	179.9	172.1	2.4	10.3
Hotels and other lodging places	7.2	7.0	6.7	.2	.5
Personal services	8.8	8.7	8.4	.1	.4
Business services	43.3	42.8	39.3	.6	4.0
Amusement and recreation services	11.6	10.3	11.2	1.4	.4
Health services	54.8	54.3	52.6	.5	2.2
Hospitals	25.8	25.5	25.3	.2	.5
GOVERNMENT	88.0	89.9	86.8	-1.9	1.2
Federal government	15.2	15.5	14.7	-.3	.5
State government	19.7	20.1	19.8	-.4	-.1
State government education[i]	11.8	12.3	11.7	-.5	.1
State government, except education	7.9	7.8	8.1	.1	-.2
Local government	53.1	54.3	52.3	-1.2	.8
Local government education	30.2	31.4	29.6	-1.3	.6
Local government, except education	22.9	22.9	22.7	.1	.2

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]
MANUFACTURING	$466.20	$465.63	$466.52	42.0	42.1	42.8	$11.10	$11.06	$10.90
Durable Goods[e]	465.98	460.22	460.75	42.4	42.3	42.9	10.99	10.88	10.74
Fabricated metal products	416.91	418.35	424.76	41.9	42.3	44.2	9.95	9.89	9.61
Fabricated structural metal products	436.00	435.87	430.39	43.6	43.5	44.6	10.00	10.02	9.65
Machinery, except electrical	431.15	427.57	411.01	42.9	42.8	41.6	10.05	9.99	9.88
Metalworking machinery	494.40	491.94	466.04	44.5	44.6	42.6	11.11	11.03	10.94
General industrial machinery	441.10	422.55	383.98	45.9	44.2	41.2	9.61	9.56	9.32
Electric and electronic equipment	326.49	324.76	339.39	39.1	38.8	39.1	8.35	8.37	8.68
Transportation equipment	707.48	692.80	688.02	46.0	45.4	46.9	15.38	15.26	14.67
Motor vehicles and equipment	893.71	852.00	840.13	51.6	50.0	51.7	17.32	17.04	16.25
Nondurable Goods[f]	466.75	470.12	471.84	41.6	41.9	42.7	11.22	11.22	11.05
Food and kindred products	479.64	488.31	512.06	41.1	41.7	44.8	11.67	11.71	11.43
Beverages	509.64	505.12	532.95	41.2	41.0	42.5	12.37	12.32	12.54
Apparel and other textile products	217.41	228.05	208.51	37.1	38.2	37.3	5.86	5.97	5.59
Paper and allied products	426.64	429.25	437.91	42.2	42.5	43.4	10.11	10.10	10.09
Printing and publishing	447.42	453.66	458.69	39.7	39.9	40.7	11.27	11.37	11.27
Commercial printing	479.64	484.08	497.64	42.0	42.5	43.5	11.42	11.39	11.44
Chemicals and allied products	556.25	561.04	542.73	42.3	42.6	42.5	13.15	13.17	12.77
Rubber and misc. plastics products	404.35	407.08	459.73	43.2	44.2	47.2	9.36	9.21	9.74
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	564.51	556.14	528.15	40.7	40.3	39.8	13.87	13.80	13.27
WHOLESALE TRADE	404.41	405.81	389.91	40.2	40.5	40.7	10.06	10.02	9.58
RETAIL TRADE[h]	167.29	165.31	166.11	29.4	28.9	29.4	5.69	5.72	5.65
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	260.81	256.87	259.34	....	....	....	.....	.....	.....

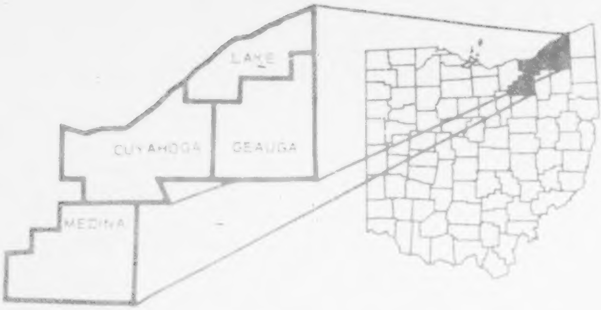
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	June 1988	May 1988	June 1987
Employment Service Program			
New Applicants	2,916	2,267	2,899
Active File of Job Seekers	21,335	21,228	18,603
Referrals to Jobs	1,850	1,560	2,910
Placements	599	291	723
Job Openings Received	1,295	1,397	1,313
Job Openings Unfilled	1,883	1,819	3,011
Unemployment Insurance Program			
Initial Claims	4,157	3,244	7,061
Continued Claims	39,185	38,492	38,338
First Payments	1,660	1,855	1,438
Last Payments	747	560	756
Weeks Compensated	31,220	30,067	29,405
Benefits Paid	$4,874,757	$4,666,854	$4,306,483
Average Weekly Payment	$158.37	$157.31	$149.23

[a] Ohio data only

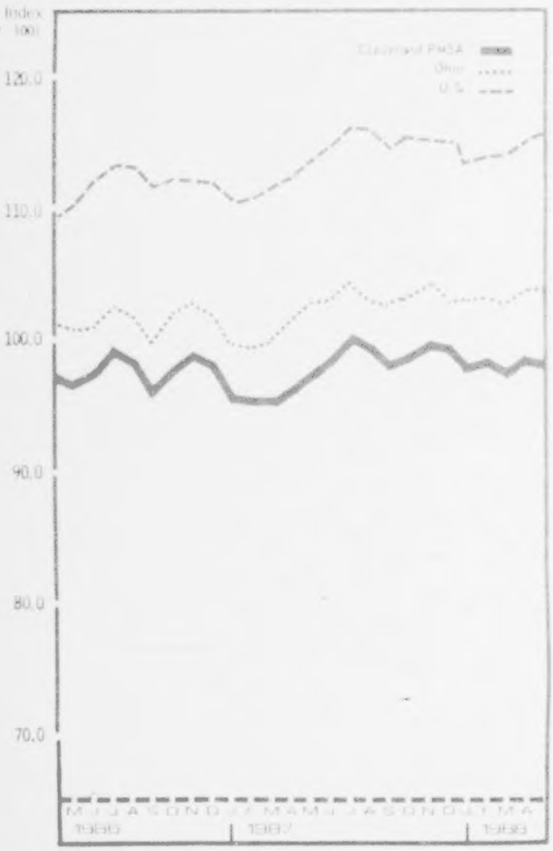
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



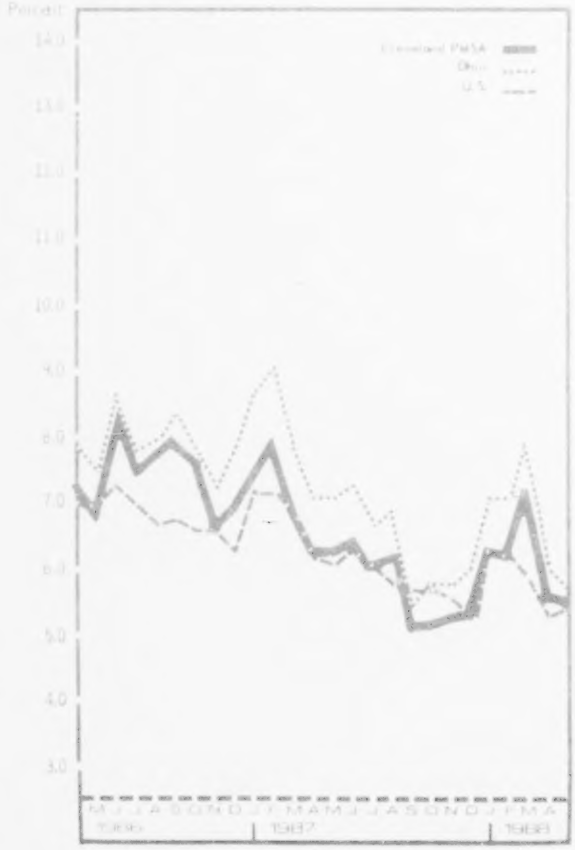
Nonagricultural wage and salary employment in the Cleveland metropolitan area totaled 917,600 in June, increasing 7,500 from the May 1988 level. Nonmanufacturing industries provided 85.3 percent of the improvement. Major growth sectors were services, retail trade, and construction. The manufacturing labor force added 1,100 workers over the month. Noteworthy gains occurred in nonelectrical machinery, fabricated metal products, and printing and publishing. Factory production workers averaged $11.86 per hour, up $.03 from May. Their average workweek was .2 hours longer, at 43.6 hours.

Between June 1987 and June 1988, total nonfarm payroll employment rose 18,600. Significant growth was noted in services and retail trade. Marked improvements were also recorded in finance, insurance and real estate and in construction. Manufacturing employment advanced 2,200 over the year, to 203,300. Most of the expansion occurred in durable-goods industries, especially in fabricated metal products and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

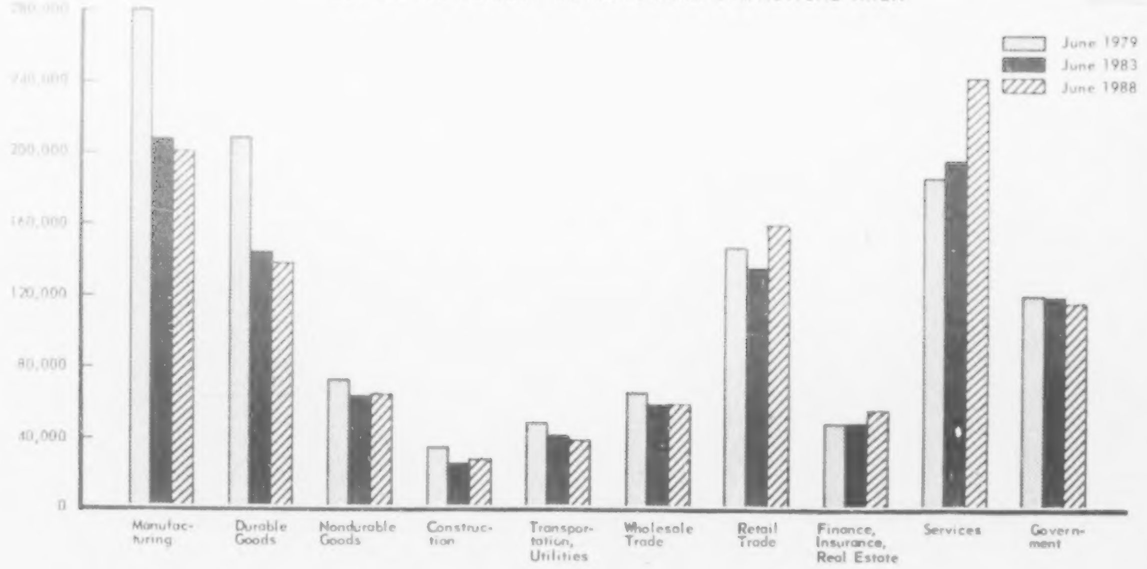


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
925.3	867.2	58.0	6.3	May	889.5	199.9	127.6	493.19	42.7	11.55
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
922.4	871.9	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
INA	INA	INA	INA	June	917.6	203.3	130.9	517.10	43.6	11.86

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	June 1988[b]	May 1988[c]	June 1987[c]	From Last Month	From Last Year
TOTAL	917.6	910.1	899.0	7.5	18.6
MANUFACTURING	203.3	202.2	201.1	1.1	2.2
Durable Goods[e]	138.1	137.1	136.2	.9	1.9
Primary metal industries	21.0	20.9	21.0	.1	.0
Iron and steel foundries	5.1	5.1	5.2	.0	.1
Fabricated metal products	33.5	33.3	32.6	.2	.9
Fabricated structural metal products	4.3	4.3	4.1	.0	.2
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	11.8	11.7	11.4	.1	.4
Machinery, except electrical	29.4	29.0	28.9	.4	.5
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	9.7	9.6	9.6	.1	.1
Special industry machinery	2.8	2.6	2.7	.2	.1
General industrial machinery	3.0	3.0	3.0	.0	.0
Electric and electronic equipment	18.0	18.0	17.2	.0	.8
Electrical industrial apparatus	6.3	6.3	6.0	.0	.3
Transportation equipment	18.7	18.7	19.3	.0	-.6
Motor vehicles and equipment	11.8	11.8	11.9	.1	.1
Instruments and related products	6.4	6.3	6.6	.0	.2
Measuring and controlling devices	4.0	4.1	4.2	.1	.2
Nondurable Goods[f]	65.2	65.1	64.9	.2	.3
Food and kindred products	6.8	6.8	6.5	.0	.3
Apparel and other textile products	4.1	4.1	4.1	.0	.0
Paper and allied products	5.6	5.6	5.7	.0	.1
Printing and publishing	16.1	15.9	16.3	.2	.2
Chemicals and allied products	15.2	15.2	14.9	.0	.3
Rubber and misc. plastics products	12.3	12.4	12.2	.1	.1
NONMANUFACTURING[g]	714.3	707.9	697.9	6.4	16.4
CONSTRUCTION	30.8	29.4	28.9	1.4	1.9
TRANSPORTATION AND PUBLIC UTILITIES	41.3	40.8	41.6	.5	.3
Trucking and warehousing	12.2	12.1	12.5	.1	.3
Communication, electric, gas services	17.4	17.4	17.9	.1	.5
WHOLESALE TRADE	61.0	60.6	61.0	.4	.0
Wholesale trade-durable goods	41.7	41.5	42.2	.2	.5
RETAIL TRADE	161.0	159.2	155.0	1.8	6.0
General merchandise stores	20.9	20.8	20.4	.1	.5
FINANCE, INSURANCE, AND REAL ESTATE	56.6	55.9	54.7	.7	1.9
Banking	13.4	13.3	13.4	.1	.0
Credit agencies other than banks	8.8	8.7	8.7	.1	.1
Insurance carriers	14.3	14.2	13.7	.1	.6
SERVICES	244.9	242.9	236.3	2.0	8.6
Business services	56.2	55.3	53.5	.9	2.7
Amusement and recreation services	9.6	9.0	9.8	.6	.2
Health services	76.2	75.7	74.9	.5	1.3
Hospitals	42.6	42.4	42.4	.2	.2
GOVERNMENT	117.9	117.7	118.5	.2	.6
Federal government	20.5	20.5	20.4	.0	.1
State government	8.7	8.2	8.5	.5	.2
State government education[i]	3.3	3.0	3.3	.2	.0
State government, except education	5.5	5.2	5.3	.3	.2
Local government	88.6	88.9	89.5	-.3	-.9
Local government education	44.1	45.6	43.3	-1.5	.8
Local government, except education	44.5	43.3	46.2	1.2	-1.7

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

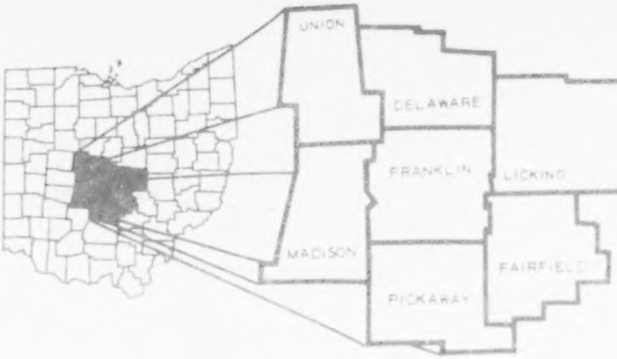
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]
MANUFACTURING	$517.10	$513.42	$494.21	43.6	43.4	42.9	$11.86	$11.83	$11.52
Durable Goods[e]	558.30	554.03	527.56	44.7	44.5	43.6	12.49	12.45	12.10
Primary metal industries	597.88	600.05	609.22	46.6	47.1	45.6	12.83	12.74	13.36
Iron and steel foundries	897.39	877.75	858.11	50.7	50.1	51.2	17.70	17.52	16.76
Fabricated metal products	570.60	555.97	530.52	45.0	44.3	44.1	12.68	12.55	12.03
Fabricated structural metal products	408.46	381.62	409.28	41.3	39.1	42.5	9.89	9.76	9.63
Screw machine products, bolts, etc.	562.59	532.09	470.24	47.0	45.4	44.7	11.97	11.72	10.52
Metal forgings and stampings	743.91	718.49	683.28	48.4	47.3	46.8	15.37	15.19	14.60
Machinery, except electrical	507.17	509.76	483.51	43.2	43.2	42.6	11.74	11.80	11.35
Construction and related machinery	411.28	395.92	420.89	44.9	43.7	46.1	9.16	9.06	9.13
Metalworking machinery	439.93	442.24	424.15	41.0	41.1	41.1	10.73	10.76	10.32
Special industry machinery	477.71	464.26	460.08	40.9	40.3	38.5	11.68	11.52	11.95
General industrial machinery	483.96	486.95	487.99	43.6	43.4	43.3	11.10	11.22	11.27
Electric and electronic equipment	447.02	445.37	428.33	41.2	41.2	40.6	10.85	10.81	10.55
Electrical industrial apparatus	506.91	506.43	481.20	43.4	43.1	42.1	11.68	11.75	11.43
Transportation equipment	765.94	760.85	671.35	48.6	48.4	45.3	15.76	15.72	14.82
Motor vehicles and equipment	849.88	848.70	704.70	48.9	49.2	45.0	17.38	17.25	15.66
Instruments and related products	404.88	402.14	399.90	42.0	41.5	41.7	9.64	9.69	9.59
Measuring and controlling devices	417.77	417.37	405.14	40.6	40.6	40.8	10.29	10.28	9.93
Nondurable Goods[f]	418.61	417.38	415.48	41.0	40.8	41.3	10.21	10.23	10.06
Food and kindred products	386.72	388.28	369.18	40.2	40.7	42.0	9.62	9.54	8.79
Apparel and other textile products	327.13	325.12	307.26	39.7	39.6	38.6	8.24	8.21	7.96
Paper and allied products	465.37	459.38	503.78	41.7	41.2	44.9	11.16	11.15	11.22
Printing and publishing	392.03	398.15	407.59	36.4	36.9	38.2	10.77	10.79	10.67
Chemicals and allied products	510.99	503.33	495.50	43.6	42.8	42.9	11.72	11.76	11.55
Rubber and misc. plastics products	395.14	385.75	388.45	44.1	43.1	42.5	8.96	8.95	9.14
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	574.89	577.74	585.48	40.4	40.6	42.0	14.23	14.23	13.94
WHOLESALE TRADE	412.44	408.56	405.16	38.8	38.8	39.8	10.63	10.53	10.18
RETAIL TRADE[h]	186.02	182.21	185.61	28.1	27.4	28.6	6.62	6.65	6.49
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	307.76	298.97	296.37	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	339.26	337.41	342.55	31.5	31.3	32.5	10.77	10.78	10.54

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	June 1988	May 1988	June 1987
Employment Service Program			
New Applicants	4,637	4,022	6,529
Active File of Job Seekers	58,594	60,273	64,129
Referrals to Jobs	2,322	1,859	2,605
Placements	472	332	718
Job Openings Received	1,699	1,643	1,379
Job Openings Unfilled	4,200	3,842	2,069
Unemployment Insurance Program			
Initial Claims	5,750	5,745	6,695
Continued Claims	57,584	60,610	58,939
First Payments	2,415	2,367	2,521
Last Payments	1,030	972	1,056
Weeks Compensated	47,302	45,542	45,455
Benefits Paid	$7,225,147	$7,041,665	$6,581,097
Average Weekly Payment	$155.36	$157.32	$147.56

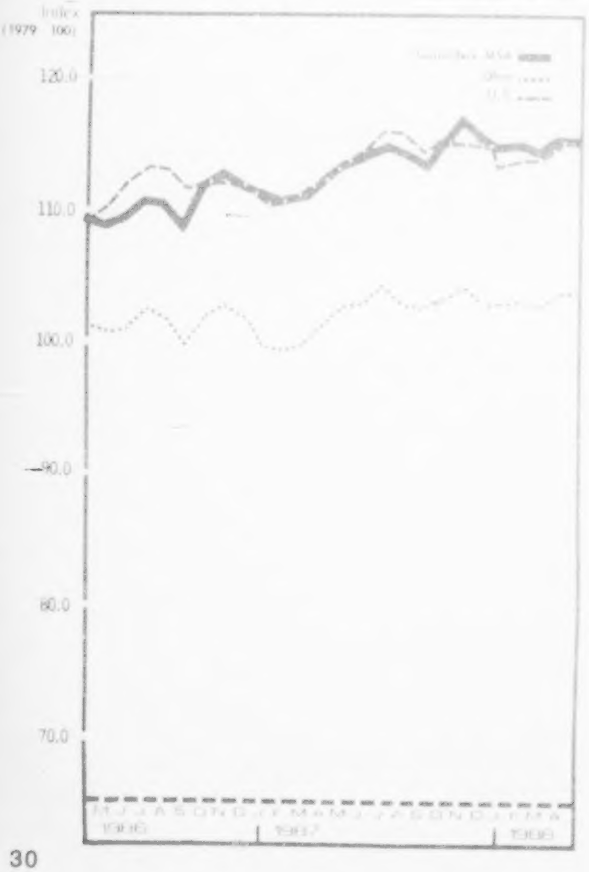
COLUMBUS
METROPOLITAN STATISTICAL AREA



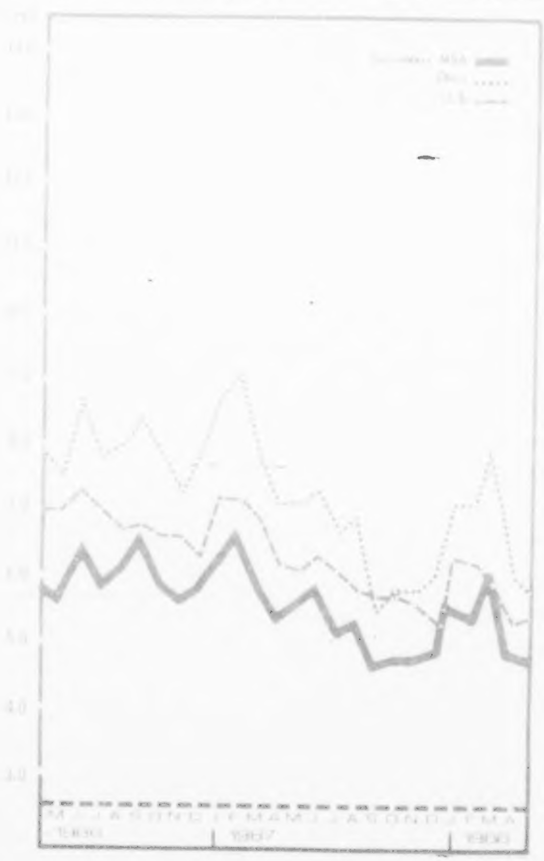
In the Columbus metropolitan area, nonfarm wage and salary employment was 4,700 higher than May, at 685,500 in June 1988. The improvement was concentrated in the nonmanufacturing sector. Primary growth industries were construction and services. Manufacturing employment increased 700 over the month. Stone, clay, and glass products and fabricated metal products recorded modest gains. Production workers averaged $11.56 per hour, down $.04 from May. Their average workweek, 41.5 hours, increased slightly.

Nonagricultural payroll employment advanced 25,300 between June 1987 and June 1988. A major portion of the growth occurred in services and retail trade. Significant increases were also noted in construction and finance, insurance, and real estate. Over the year, the manufacturing workforce lost 200 jobs. Reductions in transportation equipment and stone, clay, and glass products overshadowed expansion in rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

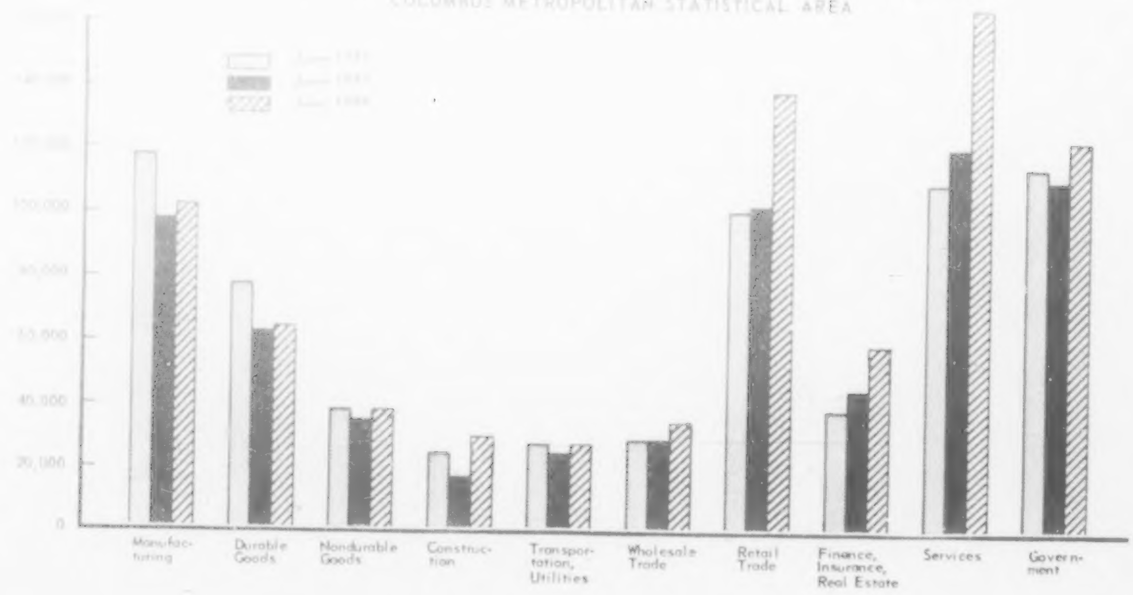


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
696.1	657.1	39.1	5.6	May	657.2	103.4	68.4	474.24	41.6	11.40
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5	11.40
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.2	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.6	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.4	668.5	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
INA	INA	INA	INA	June	685.5	103.0	67.4	479.74	41.5	11.56

INA: Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	June 1988[b]	May 1988[c]	June 1987[c]	From Last Month	From Last Year
TOTAL	685.5	680.8	660.2	4.7	25.3
MANUFACTURING	103.0	102.3	103.2	.7	- .2
Durable Goods[e]	64.7	64.2	66.3	.6	- 1.5
Stone, clay, and glass products	10.0	9.8	10.7	.2	- .7
Glass and glassware, pressed or blown	3.8	3.7	4.2	.1	- .4
Fabricated metal products	9.4	9.3	9.3	.2	.1
Fabricated structural metal products	2.7	2.6	2.9	.1	- .2
Machinery, except electrical	9.1	9.2	9.0	.0	.1
Electric and electronic equipment	11.0	11.0	10.9	.0	.1
Transportation equipment	13.2	13.2	14.5	.0	- 1.3
Instruments and related products	4.2	4.1	4.1	.1	.1
Nondurable Goods[f]	38.3	38.1	36.9	.2	1.4
Food and kindred products	10.6	10.6	10.3	.0	.3
Printing and publishing	10.4	10.3	10.0	.1	.3
Chemicals and allied products	6.8	6.7	6.8	.0	.0
Rubber and misc. plastics products	5.8	5.7	5.1	.1	.7
NONMANUFACTURING[g]	582.5	578.6	557.1	4.0	25.5
CONSTRUCTION	30.5	29.3	28.0	1.2	2.5
TRANSPORTATION AND PUBLIC UTILITIES	28.5	28.4	27.8	.1	.7
Trucking and warehousing	11.8	11.8	11.5	.1	.4
Communication, electric, gas services	11.8	11.6	11.7	.0	.0
WHOLESALE TRADE	35.4	35.2	33.9	.2	1.5
Wholesale trade-durable goods	22.8	22.8	21.9	.0	.9
RETAIL TRADE	138.7	138.3	132.2	.4	6.4
General merchandise stores	22.5	22.5	20.9	.0	1.6
FINANCE, INSURANCE, AND REAL ESTATE	59.3	58.8	57.1	.5	2.2
Banking	12.0	11.9	11.5	.1	.4
Insurance carriers	23.3	23.2	22.6	.1	.7
SERVICES	165.0	164.0	155.2	1.0	9.8
Business services	37.7	37.3	34.5	.4	3.2
Health services	41.2	40.8	39.5	.5	1.8
Hospitals	18.2	18.0	17.5	.2	.7
GOVERNMENT	124.2	123.6	122.0	.6	2.2
Federal government	15.2	15.2	15.8	.0	.6
State government	56.0	55.4	54.4	.6	1.6
State government education[i]	24.4	24.1	23.8	.3	.6
State government, except education	31.6	31.3	30.6	.3	1.0
Local government	53.1	53.1	51.8	.0	1.3
Local government education	32.1	32.6	30.7	-.5	1.4
Local government, except education	21.0	20.5	21.1	.5	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]
MANUFACTURING	$479.74	$480.24	$473.10	41.5	41.4	41.5	$11.56	$11.60	$11.40
Durable Goods[e]	488.46	488.17	482.65	41.5	41.3	41.5	11.77	11.82	11.63
Stone, clay, and glass products	484.62	471.06	476.89	41.0	40.4	40.9	11.82	11.66	11.66
Glass and glassware, pressed or blown	426.50	420.72	407.90	39.2	39.1	38.3	10.88	10.76	10.65
Fabricated metal products	536.76	524.10	501.02	42.0	41.3	41.0	12.78	12.69	12.22
Fabricated structural metal products	465.04	453.60	464.53	42.2	41.5	42.5	11.02	10.93	10.93
Machinery, except electrical	432.68	438.86	466.34	40.4	40.9	43.1	10.71	10.73	10.82
Electric and electronic equipment	459.91	463.49	458.21	40.7	40.8	40.3	11.30	11.36	11.37
Transportation equipment	570.57	612.04	566.71	41.8	44.0	42.9	13.65	13.91	13.21
Instruments and related products	410.74	407.68	434.72	39.8	39.2	41.8	10.32	10.40	10.40
Nondurable Goods[f]	461.90	462.02	454.01	41.5	41.4	41.5	11.13	11.16	10.94
Food and kindred products	446.04	447.28	469.79	41.3	41.3	43.1	10.80	10.83	10.90
Printing and publishing	540.25	543.71	515.48	39.9	39.6	39.2	13.54	13.73	13.15
Chemicals and allied products	544.65	548.00	509.39	41.8	41.8	40.3	13.03	13.11	12.64
Rubber and misc. plastics products	361.22	368.51	349.44	42.1	43.1	42.0	8.58	8.55	8.32
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	596.73	592.38	569.66	41.7	41.6	41.4	14.31	14.24	13.76
WHOLESALE TRADE	339.84	343.53	346.56	37.1	37.3	38.0	9.16	9.21	9.12
RETAIL TRADE[h]	179.55	178.44	174.71	28.5	28.1	28.5	6.30	6.35	6.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	267.83	267.04	258.76	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	335.89	338.61	322.56	34.1	34.1	33.6	9.85	9.93	9.60

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor management disputes.

Selected Administrative Program Activities

	June 1988	May 1988	June 1987
Employment Service Program			
New Applicants	4,339	4,081	5,023
Active File of Job Seekers	29,587	30,728	33,450
Referrals to Jobs	2,976	2,920	2,408
Placements	825	600	1,080
Job Openings Received	1,310	1,450	1,945
Job Openings Unfilled	2,377	2,570	4,497
Unemployment Insurance Program			
Initial Claims	3,324	3,410	4,726
Continued Claims	31,384	35,906	36,317
First Payments	2,063	1,556	1,710
Last Payments	75[illegible]	774	673
Weeks Compensated	28,421	27,588	29,385
Benefits Paid	$4,361,842	$4,297,861	$4,460,797
Average Weekly Payment	$156.96	$158.87	$155.20

DAYTON - SPRINGFIELD

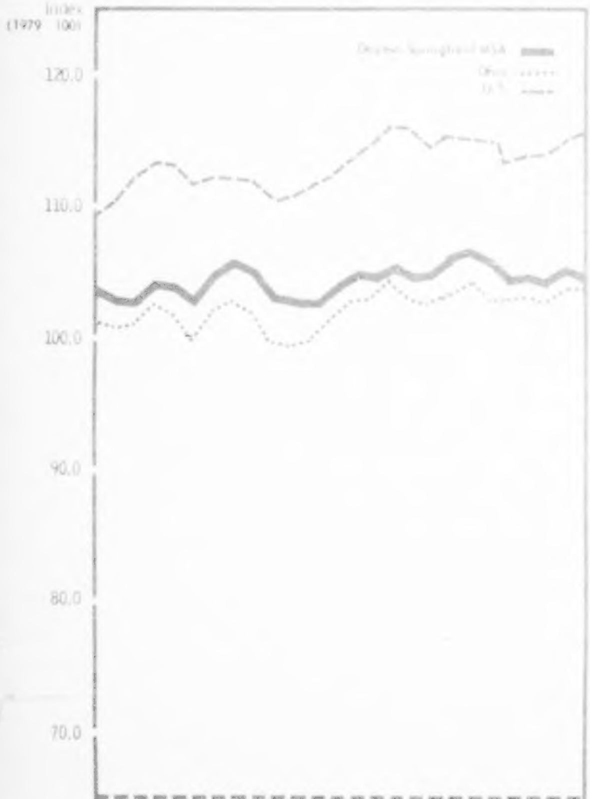
METROPOLITAN STATISTICAL AREA

MIAMI
MONTGOMERY
CLARK
GREENE

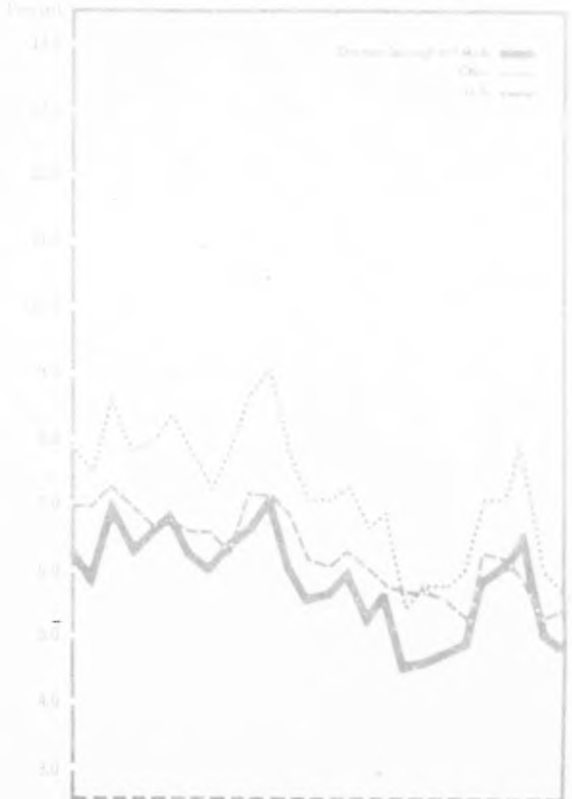
Nonagricultural payroll employment in the Dayton-Springfield metropolitan area totaled 440,000 in June, up 2,600 from May 1988. Increases in services, construction, and retail trade more than offset seasonal declines in local nonteaching personnel. The manufacturing sector, at 103,400, added 300 employees since May. Scattered improvements in durable goods outweighed reductions in nondurable goods. Factory production workers earned $12.70 per hour, up $.09 from last month. Their average workweek was slightly longer, at 43.8 hours.

Between June 1987 and June 1988, total nonfarm wage and salary employment increased 11,200. The growth was concentrated in the nonmanufacturing sector. Noteworthy expansion occurred in services, retail trade, local education, and construction. Manufacturing employment declined 800 over the year, due primarily to a reduced workforce in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

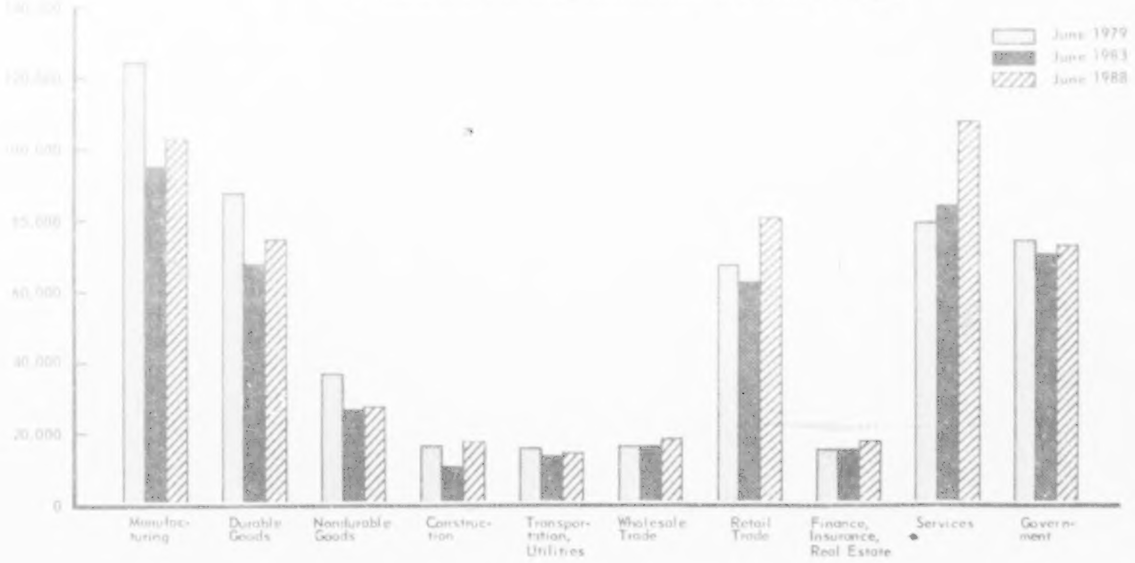


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	105.8	66.7	499.38	42.0	11.89
				1987						
464.3	437.5	26.8	5.8	May	429.3	104.0	67.2	486.04	41.4	11.74
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.8	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.8	437.9	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
INA	INA	INA	INA	June	440.0	103.4	66.3	556.26	43.8	12.70

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	June 1988[b]	May 1988[c]	June 1987[c]	From Last Month	From Last Year
TOTAL	440.0	437.3	428.7	2.6	11.2
MANUFACTURING	103.4	103.2	104.2	.3	-.8
Durable Goods[e]	74.8	74.4	75.4	.5	-.6
Fabricated metal products	8.4	8.3	8.4	.1	.0
Machinery, except electrical	30.8	30.6	30.7	.2	.1
Metalworking machinery	6.6	6.5	6.5	.0	.1
General industrial machinery	2.8	2.8	2.6	.0	.2
Electric and electronic equipment	5.8	5.8	5.9	.0	-.1
Electrical industrial apparatus	3.5	3.5	3.6	.0	-.2
Transportation equipment	20.2	20.1	21.1	.1	-.9
Nondurable Goods[f]	28.6	28.8	28.8	-.2	-.2
Food and kindred products	2.6	2.7	2.8	.0	-.2
Paper and allied products	6.0	6.1	5.9	-.1	.1
Printing and publishing	8.7	8.7	8.4	.0	.3
Rubber and misc. plastics products	7.7	7.8	8.0	-.1	.3
NONMANUFACTURING[g]	336.5	334.1	324.5	2.4	12.0
CONSTRUCTION	18.8	17.9	17.0	.8	1.8
TRANSPORTATION AND PUBLIC UTILITIES	15.7	15.6	15.6	.1	.1
Communication, electric, gas services	5.3	5.3	5.6	.0	.3
WHOLESALE TRADE	19.0	19.0	18.7	.1	.4
Wholesale trade-durable goods	12.6	12.5	12.4	.1	.2
RETAIL TRADE	81.9	81.2	78.6	.7	3.3
General merchandise stores	12.1	12.0	11.0	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	18.4	18.2	18.2	.3	.2
Banking	4.2	4.2	4.3	.0	-.1
Credit agencies other than banks	4.8	4.8	4.7	.0	.1
Insurance carriers	2.8	2.8	3.0	.0	.2
SERVICES	108.5	107.4	104.3	1.1	4.3
Business services	27.6	27.1	25.7	.5	1.9
Health services	36.2	36.1	35.7	.1	.5
Hospitals	18.4	18.4	18.6	.0	-.2
Educational services	6.5	6.8	6.2	-.3	.3
GOVERNMENT	73.8	74.5	71.8	-.7	2.0
Federal government	27.9	27.9	28.0	.0	-.1
State government	7.5	7.5	7.5	.0	.1
State government education[i]	4.5	4.6	4.5	-.1	.0
State government, except education	3.0	2.9	2.9	.1	.1
Local government	38.3	39.1	36.3	-.8	2.0
Local government education	23.1	24.2	21.1	-1.2	2.0
Local government, except education	15.3	14.9	15.2	.4	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

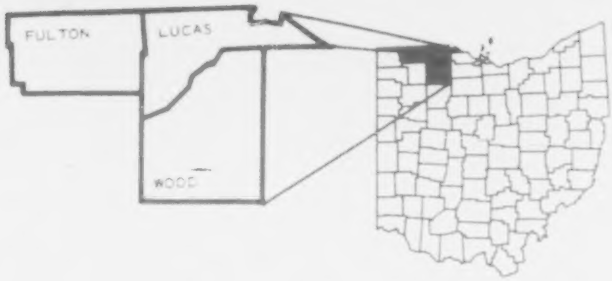
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]
MANUFACTURING	$556.26	$551.06	$502.18	43.8	43.7	42.2	$12.70	$12.61	$11.90
Durable Goods[e]	566.69	558.01	511.83	44.1	43.8	42.3	12.85	12.74	12.10
Fabricated metal products	398.05	393.02	385.22	41.9	41.9	41.2	9.50	9.38	9.35
Machinery, except electrical	605.25	598.53	555.56	44.8	44.6	43.1	13.51	13.42	12.89
Metalworking machinery	548.58	534.38	533.05	45.3	44.2	44.2	12.11	12.09	12.06
General industrial machinery	447.10	478.04	472.50	42.1	44.1	44.2	10.62	10.84	10.69
Electric and electronic equipment	451.88	452.32	447.58	44.0	44.0	46.0	10.27	10.28	9.73
Electrical industrial apparatus	542.19	534.98	520.54	46.7	46.0	47.8	11.61	11.63	10.89
Transportation equipment	715.05	691.31	587.94	45.4	44.4	41.0	15.75	15.57	14.34
Nondurable Goods[f]	526.38	531.22	472.76	42.9	43.4	41.8	12.27	12.24	11.31
Food and kindred products	340.13	348.84	360.69	40.3	40.8	43.3	8.44	8.55	8.33
Paper and allied products	538.45	526.85	513.56	46.7	46.5	46.9	11.53	11.33	10.95
Printing and publishing	448.48	451.76	426.20	39.9	40.3	38.5	11.24	11.21	11.07
Rubber and misc. plastics products	693.83	712.71	554.36	43.5	44.6	39.4	15.95	15.98	14.07
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	541.35	535.60	538.65	40.1	40.0	40.5	13.50	13.39	13.30
WHOLESALE TRADE	412.08	408.28	412.68	40.4	39.6	40.9	10.20	10.31	10.09
RETAIL TRADE[h]	163.02	161.59	157.35	28.4	28.2	27.8	5.74	5.73	5.66
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	367.45	365.72	361.18	34.6	34.6	34.3	10.62	10.57	10.53

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	June 1988	May 1988	June 1987
Employment Service Program			
New Applicants	2,336	2,380	2,750
Active File of Job Seekers	16,724	18,538	21,111
Referrals to Jobs	1,576	1,809	1,691
Placements	328	523	517
Job Openings Received	1,263	1,092	737
Job Openings Unfilled	1,762	1,777	1,458
Unemployment Insurance Program			
Initial Claims	2,557	1,962	3,537
Continued Claims	20,240	20,626	24,762
First Payments	1,067	862	1,328
Last Payments	440	384	454
Weeks Compensated	17,632	16,666	18,894
Benefits Paid	$2,500,589	$2,397,780	$2,585,868
Average Weekly Payment	$144.82	$146.86	$140.22

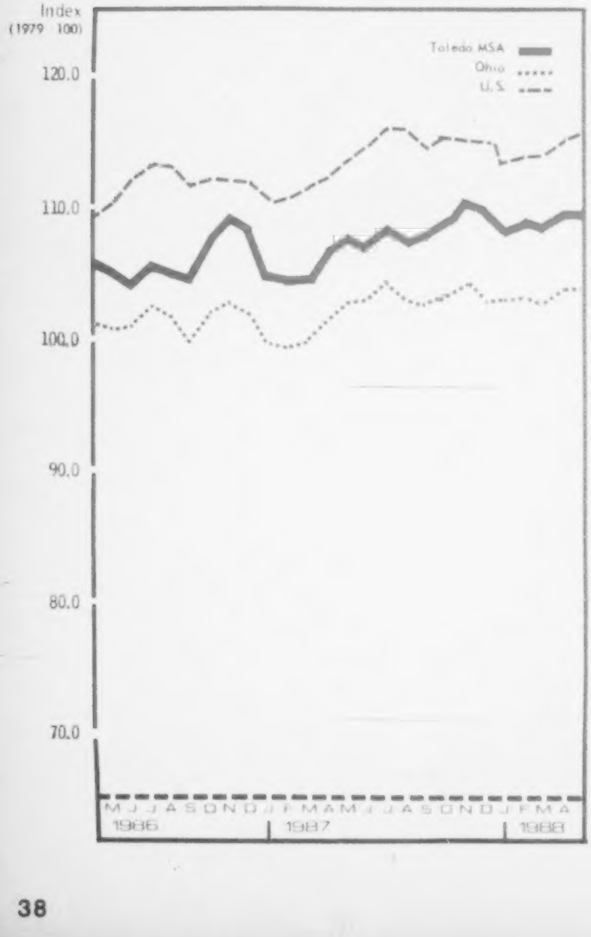
TOLEDO
METROPOLITAN STATISTICAL AREA



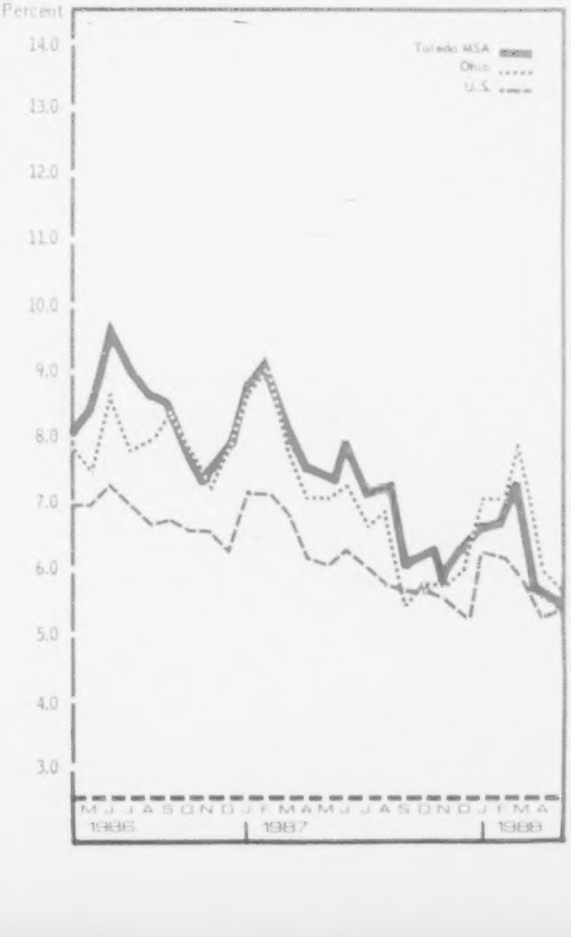
In the Toledo metropolitan area, total nonfarm payroll employment declined 1,400 from May, to 288,800 in June 1988. Nonmanufacturing employment was down 2,300 as seasonal reductions in state and local nonteaching personnel negated modest gains in construction, services, and retail trade. The manufacturing workforce added 900 jobs, with scattered growth in both durable- and nondurable-goods industries. Factory worker earnings increased slightly from last month, to $13.06 per hour. Their average workweek, 42.7 hours, was .3 hours longer.

Nonagricultural wage and salary employment rose 10,300 between June 1987 and June 1988. Growth in nonmanufacturing industries contributed 89.3 percent of the gain. Greatest expansion was noted in services, retail trade, and construction. Manufacturing employment advanced 1,100. Improvements in stone, clay, and glass products and rubber and miscellaneous plastics products outweighed reductions in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

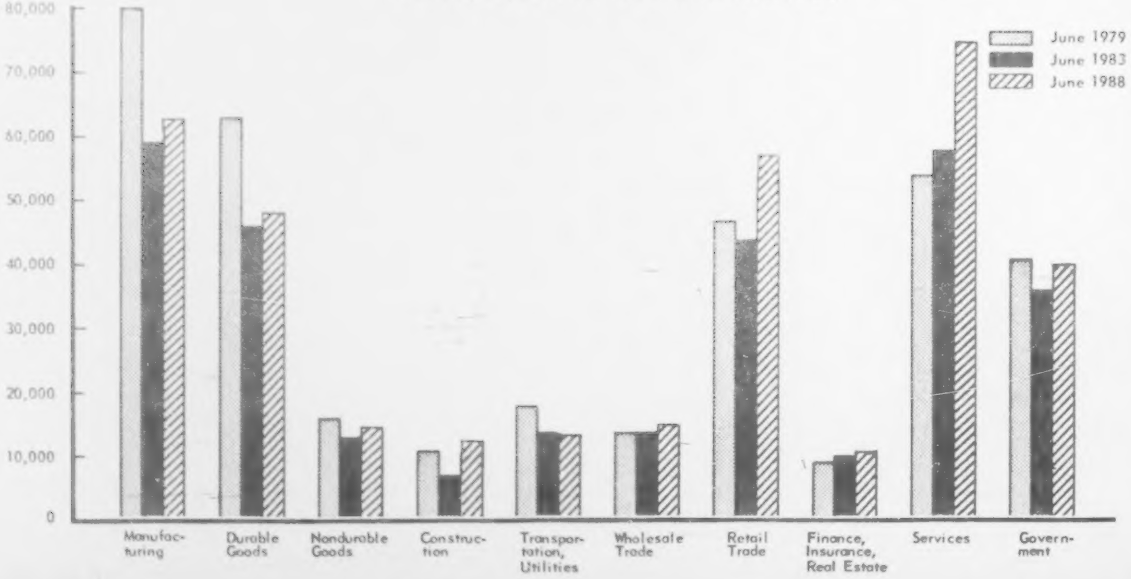


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
310.3	287.5	22.8	7.3	May	280.2	61.8	43.4	532.55	41.9	12.71
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
310.1	293.1	17.0	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
INA	INA	INA	INA	June	288.8	63.1	45.2	557.66	42.7	13.06

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	June 1988[b]	May 1988[c]	June 1987[c]	From Last Month	From Last Year
TOTAL	288.8	290.1	278.5	- 1.4	10.3
MANUFACTURING	63.1	62.2	62.0	.9	1.1
Durable Goods[e]	48.6	48.2	47.9	.4	.7
Stone, clay, and glass products	8.5	8.3	7.9	.1	.6
Primary metal industries	3.5	3.5	3.4	.0	.1
Fabricated metal products	7.9	7.8	7.7	.2	.3
Metal forgings and stampings	3.4	3.3	3.4	.0	.0
Machinery, except electrical	6.2	6.2	6.1	.0	.1
Electric and electronic equipment	2.1	2.1	2.5	.0	- .3
Transportation equipment	15.6	15.5	16.0	.0	- .5
Motor vehicles and equipment	14.6	14.5	15.1	.0	- .6
Nondurable Goods[f]	14.5	14.0	14.1	.5	.5
Food and kindred products	3.7	3.7	3.7	.0	.0
Rubber and misc. plastics products	3.2	3.2	2.7	.0	.5
NONMANUFACTURING[g]	225.7	227.9	216.5	- 2.3	9.2
CONSTRUCTION	12.7	12.1	10.7	.6	1.9
TRANSPORTATION AND PUBLIC UTILITIES	13.8	13.8	13.9	.0	- .1
Trucking and warehousing	5.4	5.4	5.4	.0	.0
Communication, electric, gas services	5.1	5.1	5.0	.0	.0
WHOLESALE TRADE	15.4	15.3	14.8	.1	.6
Wholesale trade-durable goods	10.0	9.9	9.9	.1	.2
RETAIL TRADE	57.3	56.9	54.2	.4	3.0
General merchandise stores	7.3	7.3	7.4	.0	- .1
FINANCE, INSURANCE, AND REAL ESTATE	11.3	11.2	11.4	.0	- .2
Banking	3.6	3.5	3.6	.0	.0
SERVICES	74.9	74.4	71.4	.5	3.5
Business services	15.9	15.6	14.7	.2	1.2
Health services	27.6	27.4	26.9	.2	.7
Hospitals	15.3	15.3	15.4	.0	.0
GOVERNMENT	40.1	44.0	39.7	- 3.9	.3
State government	12.8	16.3	12.7	- 3.5	.1
State government education[1]	8.7	12.3	8.6	- 3.6	.1
State government, except education	4.2	4.1	4.1	.1	.0
Local government	24.6	25.0	24.4	- .4	.3
Local government education	14.0	14.4	13.6	- .4	.4
Local government, except education	10.6	10.6	10.8	.0	- .1

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

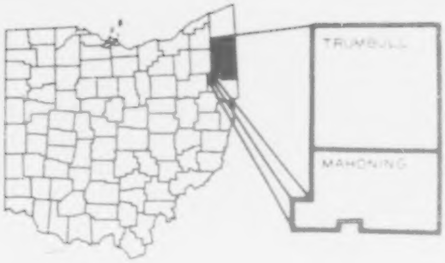
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]
MANUFACTURING	$557.66	$552.90	$529.19	42.7	42.4	41.8	$13.06	$13.04	$12.66
Durable Goods[e]	579.08	579.44	546.69	42.8	42.7	41.7	13.53	13.57	13.11
Stone, clay, and glass products	498.53	508.16	516.94	39.1	39.7	40.8	12.75	12.80	12.67
Primary metal industries	490.16	480.22	496.80	43.3	42.8	43.2	11.32	11.22	11.50
Fabricated metal products	548.64	542.30	530.76	43.2	42.6	42.7	12.70	12.73	12.43
Metal forgings and stampings	702.73	704.40	642.69	45.9	45.8	44.6	15.31	15.38	14.41
Machinery, except electrical	508.56	505.91	477.76	42.7	42.3	41.4	11.91	11.96	11.54
Electric and electronic equipment	514.68	517.10	503.47	42.5	42.7	40.8	12.11	12.11	12.34
Transportation equipment	726.52	727.72	640.10	44.3	44.4	41.7	16.40	16.39	15.35
Motor vehicles and equipment	736.92	736.48	642.30	44.5	44.5	41.6	16.56	16.55	15.44
Nondurable Goods[f]	478.84	454.99	463.41	42.3	41.4	41.9	11.32	10.99	11.06
Food and kindred products	546.98	540.59	570.97	42.6	42.3	45.1	12.84	12.78	12.66
Rubber and misc. plastics products	362.10	343.20	330.06	42.7	41.2	40.3	8.48	8.33	8.19
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	608.81	604.24	629.22	41.5	41.5	42.4	14.67	14.56	14.84
WHOLESALE TRADE	380.83	377.14	351.00	38.9	38.8	37.5	9.79	9.72	9.36
RETAIL TRADE[h]	163.23	159.59	161.44	29.2	28.6	29.3	5.59	5.58	5.51

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

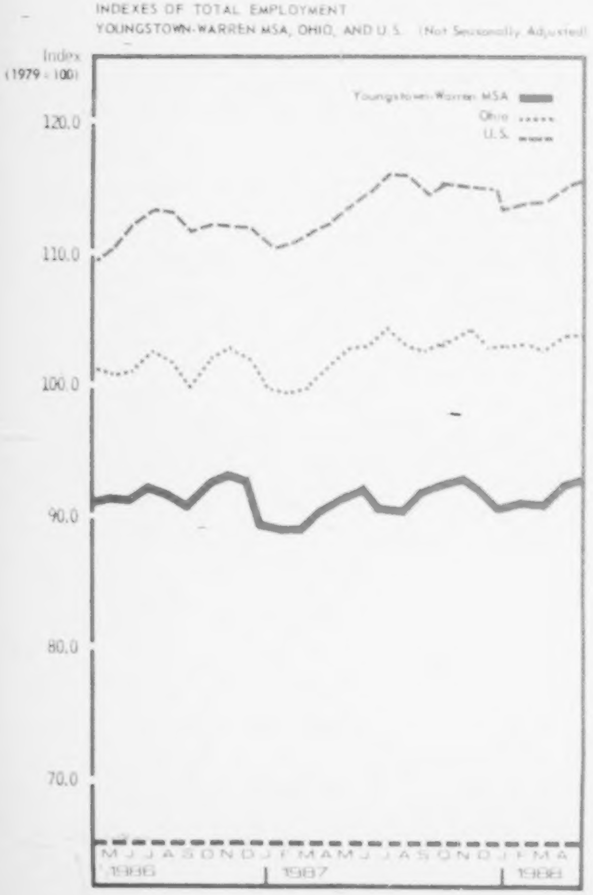
	June 1988	May 1988	June 1987
Employment Service Program			
New Applicants	2,447	2,096	2,321
Active File of Job Seekers	18,549	18,403	15,925
Referrals to Jobs	1,814	1,595	1,273
Placements	341	274	341
Job Openings Received	826	775	869
Job Openings Unfilled	1,266	1,201	1,641
Unemployment Insurance Program			
Initial Claims	2,396	2,419	3,899
Continued Claims	16,969	19,295	26,151
First Payments	1,135	737	1,261
Last Payments	330	281	349
Weeks Compensated	14,572	13,845	17,785
Benefits Paid	$2,132,368	$2,064,602	$2,531,251
Average Weekly Payment	$149.97	$152.80	$145.97

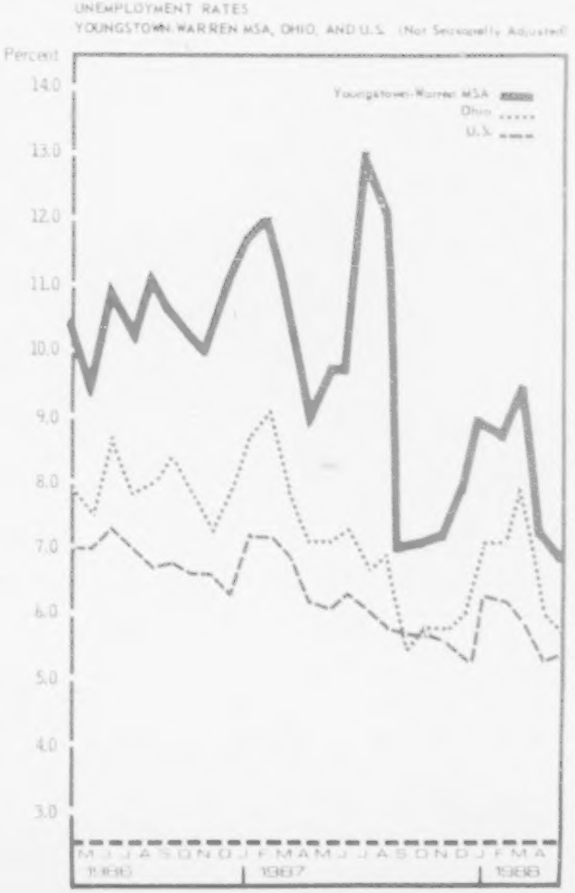
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 1,400 from May, to 197,500 in June 1988. The nonmanufacturing sector provided 85.7 percent of the improvement. Significant increases occurred in construction and services. The manufacturing labor force added 300 workers due to modest growth in primary metal industries. Production workers averaged $13.67 per hour, up $.09 from last month. Their average workweek, 42.7 hours, was 1.0 hours shorter.

Between June 1987 and June 1988, total nonfarm wage and salary employment advanced 6,700. Expansion in retail trade and services contributed most to the improvement. Manufacturing employment increased 1,400 over the year, to 50,600. Major growth sectors were primary metal industries (+1,000) and fabricated metal products (+400).


INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

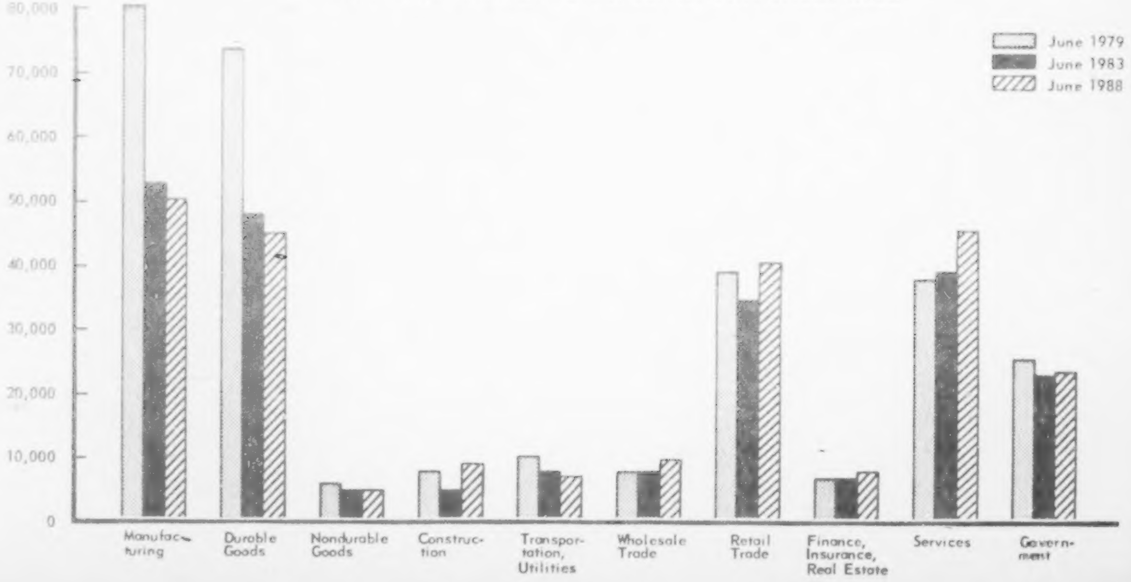

UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
223.0	201.5	21.5	9.7	May	189.6	49.1	36.8	565.78	42.7	13.25
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.3	204.4	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
INA	INA	INA	INA	June	197.5	50.6	38.7	583.71	42.7	13.67

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	June 1988[b]	May 1988[c]	June 1987[c]	From Last Month	From Last Year
TOTAL	197.5	196.1	190.8	1.4	6.7
MANUFACTURING	50.6	50.3	49.2	.3	1.4
Durable Goods[e]	45.3	45.0	44.1	.3	1.2
Primary metal industries	19.2	18.8	18.1	.3	1.0
Blast furnace and basic steel products	5.6	5.6	5.6	.0	.0
Fabricated metal products	7.7	7.7	7.3	.0	.4
Machinery, except electrical	3.8	3.7	3.8	.1	.0
Electric and electronic equipment	2.1	2.1	2.3	.0	-.1
Transportation equipment	9.4	9.5	9.5	-.1	-.2
Nondurable Goods[f]	5.3	5.3	5.0	-.1	.2
NONMANUFACTURING[g]	146.9	145.8	141.7	1.2	5.3
CONSTRUCTION	8.9	8.3	8.0	.6	.9
TRANSPORTATION AND PUBLIC UTILITIES	7.7	7.7	7.7	.0	.0
Communication, electric, gas services	3.0	3.0	3.0	.0	-.1
WHOLESALE TRADE	10.4	10.2	9.8	.2	.7
Wholesale trade-durable goods	6.4	6.3	6.2	.0	.2
RETAIL TRADE	40.7	40.4	39.0	.3	1.8
General merchandise stores	5.0	5.0	5.3	-.1	-.4
FINANCE, INSURANCE, AND REAL ESTATE	8.5	8.4	8.3	.1	.2
Banking	2.9	2.9	2.8	.0	.0
SERVICES	45.9	45.3	44.5	.6	1.4
Health services	19.8	19.6	19.4	.2	.4
Hospitals	10.2	10.1	10.1	.1	.1
GOVERNMENT	24.3	24.9	23.9	-.6	.4
State government	4.3	4.4	4.3	.0	.0
State government education[1]	2.8	2.9	2.8	.0	.1
State government, except education	1.5	1.5	1.6	.0	-.1
Local government	17.9	18.5	17.5	-.6	.4
Local government education	11.4	12.1	11.1	-.7	.3
Local government, except education	6.4	6.3	6.4	.1	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]	June 1988[b]	May 1988[c]	June 1987[c]
MANUFACTURING	$583.71	$593.45	$566.67	42.7	43.7	42.8	$13.67	$13.58	$13.24
Durable Goods[e]	593.53	608.08	582.28	42.7	44.0	43.1	13.90	13.82	13.51
Primary metal industries	653.62	642.21	610.46	43.2	42.9	42.6	15.13	14.97	14.33
Blast furnace and basic steel products	618.77	618.77	638.95	45.1	45.1	46.1	13.72	13.72	13.86
Fabricated metal products	592.70	586.94	534.01	44.1	43.9	41.3	13.44	13.37	12.93
Machinery, except electrical	463.17	473.47	517.72	40.7	41.9	43.8	11.38	11.30	11.82
Electric and electronic equipment	451.07	446.93	434.42	40.6	40.3	40.6	11.11	11.09	10.70
Transportation equipment	622.74	698.40	678.37	42.8	48.0	46.4	14.55	14.55	14.62
Nondurable Goods[f]	455.20	425.86	418.99	41.8	40.1	40.6	10.89	10.62	10.32
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	544.46	545.83	553.91	39.8	39.9	41.0	13.68	13.68	13.51
WHOLESALE TRADE	364.95	362.29	342.14	39.2	38.5	38.4	9.31	9.41	8.91
RETAIL TRADE[h]	173.73	175.52	173.75	29.1	29.4	29.4	5.97	5.97	5.91

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	June 1988	May 1988	June 1987
Employment Service Program			
New Applicants	2,114	1,996	1,903
Active File of Job Seekers	16,441	18,151	19,042
Referrals to Jobs	1,432	1,297	1,507
Placements	468	322	576
Job Openings Received	809	611	786
Job Openings Unfilled	1,031	1,067	639
Unemployment Insurance Program			
Initial Claims	2,639	2,191	4,579
Continued Claims	15,220	14,941	20,878
First Payments	826	868	964
Last Payments	316	299	342
Weeks Compensated	13,241	13,997	16,974
Benefits Paid	$1,821,379	$2,024,083	$2,327,263
Average Weekly Payment	$140.54	$148.87	$141.72

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\underset{\text{(current month)}}{\text{Sample Employment}}}{\underset{\text{(previous month)}}{\text{Sample Employment}}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	June 1988	May 1988	June 1987
New Applicants	40,409	35,542	41,471
Active File of Job Seekers	270,609	277,386	292,657
Counseling Interviews	1,410	1,167	1,470
Tests Administered	3,678	4,048	3,879
General Aptitude Tests	168	153	410
Proficiency Tests	460	434	397
Specific Aptitude Tests	1,202	1,624	1,286
Referrals to Jobs	32,914	27,693	26,800
Placements	7,524	6,165	8,473
Job Openings Received	15,074	14,867	13,416
Job Openings Unfilled	24,256	23,703	22,801

Selected Unemployment Insurance Activities

	June 1988	May 1988	June 1987
Initial Claims	40,272	37,844	55,473
Continued Claims	337,024	355,021	389,194
First Payments	16,903	14,792	17,673
Last Payments	6,670	6,398	6,965
Average Weekly Claimants	75,512	81,150	88,426
Average Weekly Benefit Recipients	61,190	68,929	73,711
Weeks Compensated	287,269	275,716	298,443
Benefits Paid	$42,729,975	$41,679,753	$43,017,081
Average Weekly Payment	$152.24	$154.62	$147.91
Continued Claims for Survey Week	73,566	80,914	89,905
Insured Unemployment Rate	1.7	1.9	2.1
Net Contributions	$3,436,258	$255,065,901	$9,653,004
Active Employer Accounts	200,060	200,354	197,026

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Labor Market Review

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Ohio
Labor
Market
Information

Labor Market Review

July 1988

Summary. The seasonally adjusted unemployment rate in Ohio dropped from 5.9 percent in June to 5.3 percent in July. This represents the lowest unemployment rate in Ohio since October 1978. The national rate was 5.4 percent, about the same as the 5.3 percent for June. The number of unemployed Ohioans fell 33,000, to 279,000, while total employment, at 4,973,000, was up 14,000. Seasonally adjusted nonagricultural wage and salary employment rose 8,000 from June, to 4,690,000 in July. (See page 3.)

Factory Employment. Ohio's manufacturing employment, at 1,100,000 in July, was unchanged from June. Employment in durable and nondurable goods remained the same as in June, 737,000 and 363,000, respectively.

Nonmanufacturing. Nonmanufacturing employment in Ohio increased 7,000 from June, to 3,590,000 in July. Retail trade employment rose 3,000, while services gained 2,000 jobs. Construction, wholesale trade, and finance, insurance, and real estate had small increases; however, government declined 1,000.

Over the Year. The number of jobless workers in Ohio decreased 87,000 from July 1987 to July 1988, lowering the unemployment rate from 7.0 percent to 5.3 percent. The U.S. rate fell from 6.0 percent to 5.4 percent during the same period. Nonagricultural payroll employment in Ohio was up 123,000 from July 1987. Most of the increase occurred in nonmanufacturing industries, especially services (+40,000) and retail trade (+26,000). Construction also recorded a significant increase of 15,000. Mining, down 1,000, was the only division to lose employment. Manufacturing employment advanced 18,000 over the year. Durable-goods employment was up 13,000, while nondurable-goods employment rose 5,000.

Factory Hours and Earnings. The average weekly earnings of factory production workers in Ohio dropped $17.21 from June, to $504.56 in July. Their average workweek of 42.4 hours was .9 hours shorter. Most industries had lower hours and earnings in July. The most notable were motor vehicles and equipment, metal forgings and stampings, iron and steel foundries, and miscellaneous plastics products.

Benefits and Costs. There were 51,819 initial claims filed under the Ohio Unemployment Compensation Law in July, up 28.7 percent from June, but down 34.4 percent from July 1987. Total benefits paid, at $36.1 million, declined 14.8 percent. The average benefit check of $149.40 was $2.84 lower. The average weekly number of benefit recipients dropped 5.5 percent, to 57,831. At the end of July, there were 200,528 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor — Grace Kilbane, Acting Administrator

Employment Service. The Ohio Bureau of Employment Services assisted 38,482 new job applicants in July, down 4.8 percent from June, and down 13.6 percent from July 1987. There were 18,228 job openings received from employers, up 20.9 percent from June, but down 10.5 percent from July 1987. The Employment Services Division made 31,082 referrals and 9,816 placements.

Bank on OBES

Are you having difficulty locating the workers you need? You might be able to solve this problem by putting your job openings in the National Job Bank System through the Ohio Bureau of Employment Services.

A few facts about the National Job Bank System:
* It is part of the largest computerized network of job openings in the United States.
* It operates on three levels to fill your need for workers: locally, statewide, and interstate-wide.
* It can provide national exposure of your job order without cost to you.

For further information, contact your nearest OBES office.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jul. 1988	Jun. 1988	Jul. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,252	5,271	5,252	-19	0	-0.4	0.0
Employment	4,973	4,959	4,886	14	87	0.3	1.8
Unemployment	279	312	366	-33	-87	-10.6	-23.8
Unemployment Rate	5.3	5.9	7.0				
Employer Survey Data[e]							
Total	4,690	4,682	4,567	8	123	0.2	2.7
Manufacturing	1,100	1,100	1,082	0	18	0.0	1.6
Durable Goods	737	737	725	0	13	0.1	1.7
Nondurable Goods	363	363	358	0	5	-0.0	1.5
Nonmanufacturing	3,590	3,582	3,484	7	106	0.2	3.0
Mining	20	20	21	0	-1	0.0	-2.9
Construction	192	191	176	1	15	0.6	8.8
Transportation and Public Utilities	209	209	207	0	2	0.1	1.1
Wholesale Trade	256	256	249	1	8	0.4	3.1
Retail Trade	873	870	847	3	26	0.3	3.1
Finance, Insurance and Real Estate	251	250	244	1	7	0.2	3.0
Services	1,094	1,092	1,054	2	40	0.2	3.8
Government	694	694	686	-1	8	-0.1	1.1
Goods Producing Industries[f]	1,312	1,311	1,280	1	33	0.1	2.6
Service Producing Industries[g]	3,378	3,372	3,287	6	91	0.2	2.8

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	US	
					1986
5,200	4,777	423	8.1	7.0	July
5,194	4,773	421	8.1	6.9	August
5,174	4,737	437	8.4	7.0	September
5,230	4,813	417	8.0	6.9	October
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February
5,369	4,958	411	7.7	5.6	March
5,277	4,945	332	6.3	5.4	April
5,248	4,922	326	6.2	5.6	May
5,271	4,959	312	5.9	5.3	June
5,252	4,973	279	5.3	5.4	July

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing		
			Durable	Nondurable
1986				
July	4,472	1,108	751	357
August	4,481	1,107	750	357
September	4,484	1,098	742	356
October	4,495	1,098	740	358
November	4,509	1,102	744	358
December	4,521	1,103	745	357
1987				
January	4,532	1,096	740	356
February	4,549	1,099	742	357
March	4,552	1,093	737	356
April	4,552	1,096	738	357
May	4,560	1,094	736	357
June	4,568	1,092	735	357
July	4,567	1,082	725	358
August	4,589	1,095	734	360
September	4,597	1,097	737	360
October	4,610	1,097	736	361
November	4,626	1,100	738	362
December	4,639	1,103	739	364
1988				
January	4,654	1,104	739	365
February	4,665	1,102	737	364
March	4,667	1,096	732	364
April	4,667	1,099	736	363
May	4,673	1,099	736	362
June	4,682	1,100	737	363
July	4,690	1,100	737	363

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
					1986				
3,364	22	160	204	244	July	820	233	1006	676
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694
3,568	20	191	209	254	April	868	250	1084	693
3,574	20	190	209	254	May	869	250	1088	693
3,582	20	191	209	256	June	870	250	1092	694
3,590	20	192	209	256	July	873	251	1094	694

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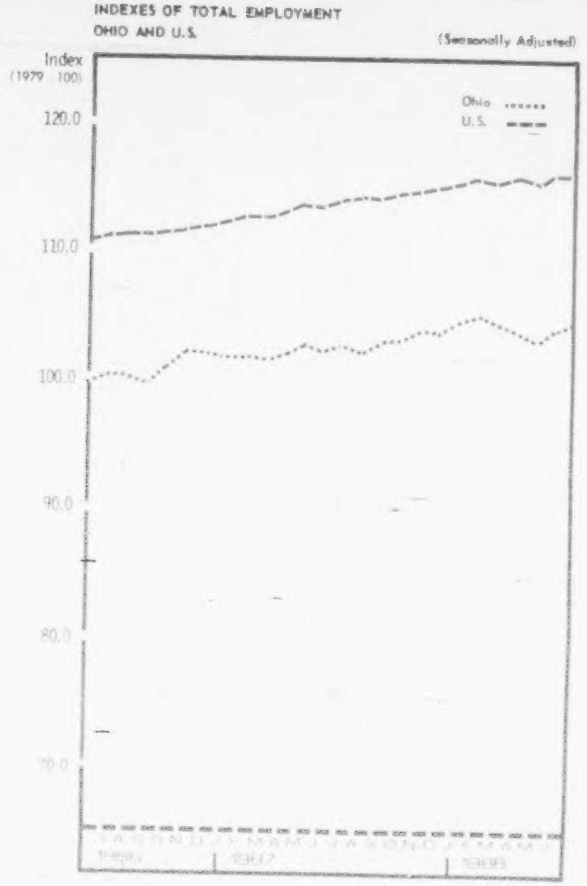
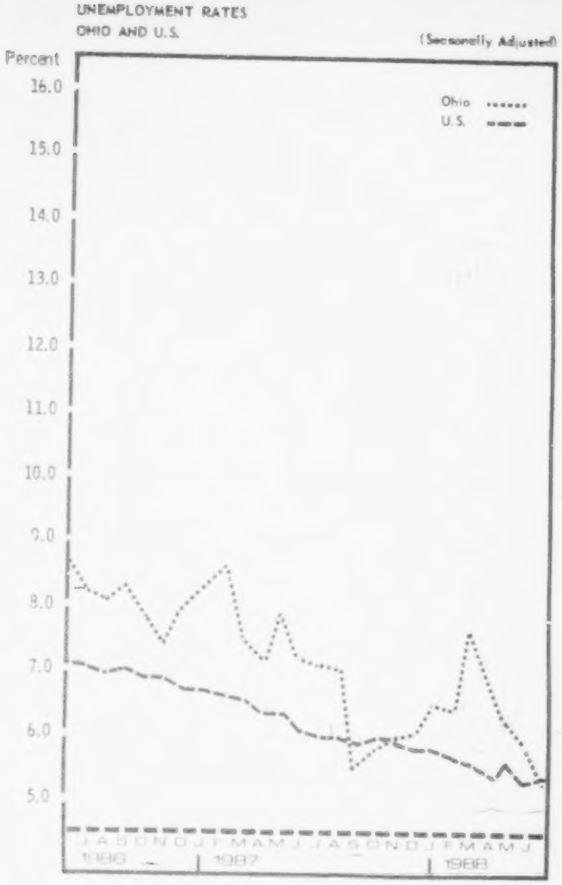
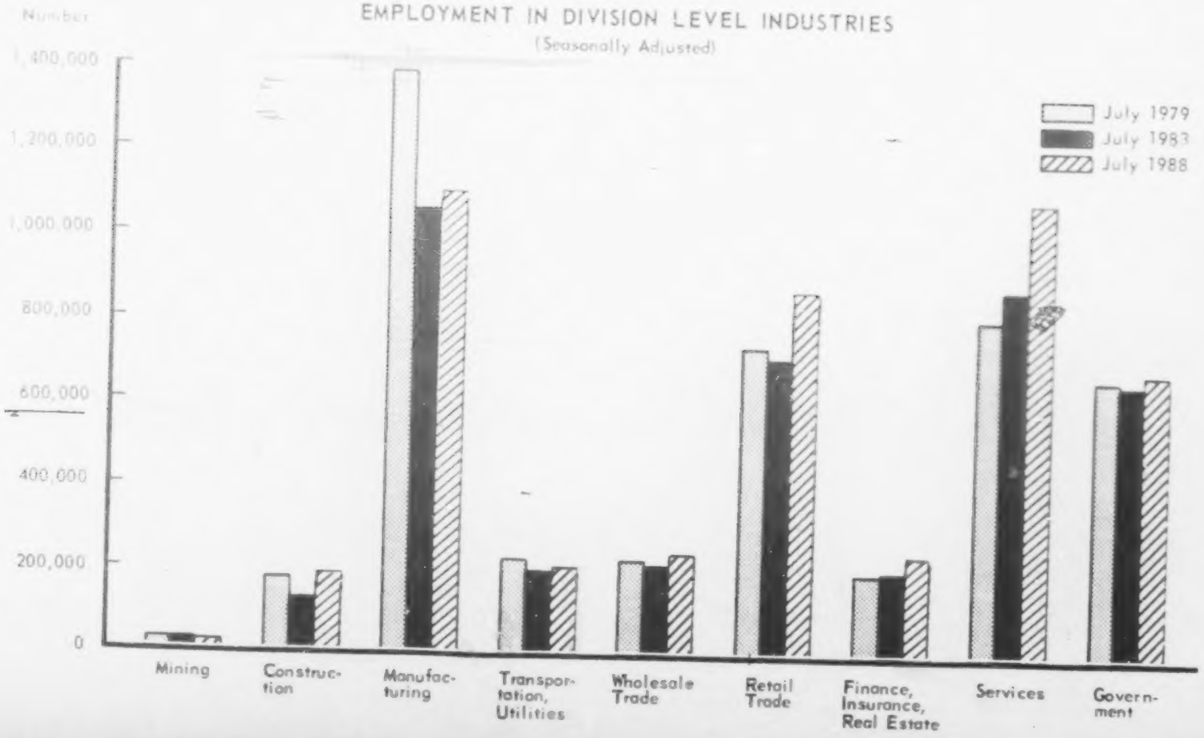
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.


INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)
Index
(1979 = 100)
120.0
110.0
100.0
90.0
80.0
70.0
Ohio
U.S.
J A S O N D J F M A M J J A S O N D J F M A M J
1986
1987
1988


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)
Percent
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
Ohio
U.S.
J A S O N D J F M A M J J A S O N D J F M A M J
1986
1987
1988


EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
July 1979
July 1983
July 1988
Mining
Construction
Manufacturing
Transportation, Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

	Civilian Labor Force			Unemployment Rate	
	Total	Employed	Unemployed	Ohio	U.S.
1977	4,833	4,520	312	6.5	7.1
1978	4,959	4,690	269	5.4	6.1
1979	5,059	4,760	299	5.9	5.8
1980	5,089	4,663	426	8.4	7.1
1981	5,100	4,608	492	9.6	7.6
1982	5,114	4,474	640	12.5	9.7
1983	5,099	4,478	621	12.2	9.6
1984	5,089	4,609	480	9.4	7.5
1985	5,135	4,680	455	8.9	7.2
1986	5,231	4,806	425	8.1	7.0
1987	5,248	4,881	367	7.0	6.2
1987					
July	5,341	4,982	359	6.7	6.1
August	5,289	4,924	365	6.9	5.8
September	5,190	4,903	288	5.5	5.7
October	5,243	4,940	302	5.8	5.7
November	5,285	4,980	305	5.8	5.6
December	5,259	4,937	322	6.1	5.4
1988					
January	5,258	4,883	375	7.1	6.3
February	5,279	4,905	374	7.1	6.2
March	5,295	4,879	416	7.9	5.9
April	5,257	4,941	316	6.0	5.3
May	5,243	4,941	302	5.8	5.4
June	5,325	5,002	323	6.1	5.5
July	5,336	5,064	272	5.1	5.5

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural			
		Manufacturing		
			Durable	Nondurable
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,471.4	1,109.8	752.7	357.1
1987	4,578.9	1,095.3	736.4	358.9
1987				
July	4,572.3	1,084.3	725.5	358.8
August	4,591.0	1,097.5	733.6	363.9
September	4,641.3	1,108.3	742.1	366.2
October	4,658.8	1,099.8	736.4	363.4
November	4,674.2	1,103.7	740.2	363.6
December	4,676.9	1,102.9	738.6	364.3
1988				
January	4,565.8	1,094.5	732.6	361.9
February	4,568.8	1,092.4	732.3	360.1
March	4,595.8	1,088.8	729.0	359.7
April	4,653.9	1,097.7	737.1	360.6
May	4,704.6	1,099.7	738.4	361.3
June	4,728.6	1,106.7	742.1	364.7
July	4,696.2	1,101.8	738.0	363.8

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

	Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade
1977	2,886.0	29.1	162.8	219.1	214.6
1978	3,017.7	29.0	176.6	225.0	226.0
1979	3,102.5	31.6	182.9	232.1	232.8
1980	3,103.0	30.7	167.4	223.1	230.6
1981	3,085.1	30.7	153.7	217.2	232.5
1982	3,024.4	30.3	134.6	206.8	226.0
1983	3,026.5	26.6	130.8	198.5	222.5
1984	3,133.1	27.8	144.8	203.9	236.7
1985	3,248.6	26.1	154.0	202.7	243.7
1986	3,361.6	22.6	160.7	203.4	244.3
1987	3,483.6	20.9	177.0	206.9	248.7
1987					
July	3,488.0	21.1	192.7	208.6	250.6
August	3,493.5	21.1	196.8	209.1	251.1
September	3,533.0	21.4	196.4	209.3	251.2
October	3,559.0	20.7	198.6	210.0	252.4
November	3,570.4	20.8	192.7	209.6	252.2
December	3,573.9	20.5	182.9	209.6	252.8
1988					
January	3,471.3	20.1	163.5	203.5	250.9
February	3,476.4	19.7	158.9	202.3	250.8
March	3,507.1	19.5	165.5	204.5	251.6
April	3,556.2	19.8	179.1	207.2	253.4
May	3,605.0	19.9	191.0	209.3	255.3
June	3,621.9	20.3	200.1	210.9	257.6
July	3,594.4	20.6	209.6	210.9	258.0

	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1977	703.2	183.4	731.4	642.3
1978	730.4	191.1	772.1	667.5
1979	742.4	200.6	806.2	674.0
1980	726.6	203.8	830.9	689.9
1981	717.7	205.8	851.6	676.0
1982	703.4	206.4	857.3	659.6
1983	711.0	207.8	873.3	656.1
1984	748.0	211.5	905.2	655.2
1985	787.9	219.3	949.5	665.2
1986	818.6	232.3	1,001.0	678.9
1987	847.7	243.1	1,051.2	688.1
1987				
July	852.8	246.8	1,068.2	647.1
August	858.1	247.2	1,068.6	641.4
September	861.1	246.1	1,074.7	672.7
October	862.3	245.7	1,070.4	698.9
November	873.9	246.2	1,067.5	707.6
December	887.8	246.7	1,064.7	708.9
1988				
January	846.2	245.9	1,047.8	693.6
February	838.0	246.4	1,056.5	703.7
March	843.1	247.1	1,066.9	708.9
April	857.3	248.6	1,085.1	705.8
May	870.9	250.1	1,098.0	710.5
June	877.4	252.5	1,109.4	693.7
July	879.2	254.1	1,108.6	653.6

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio[a]

Manufacturing Employment (in thousands) Manufacturing	Durable Goods	Nondurable Goods		Production Workers in Manufacturing: Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,344.1	945.2	398.9	1977	958.0	$271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,084.3	725.5	358.8	July	735.3	356.7	30.8
1,097.5	733.6	363.9	August	749.2	368.9	31.7
1,108.3	742.1	366.2	September	760.8	380.5	32.4
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,092.4	732.3	360.1	February	748.5	376.4	31.7
1,088.8	729.0	359.7	March	744.5	378.6	31.8
1,097.7	737.1	360.6	April	752.3	388.8	32.4
1,099.7	738.4	361.3	May	754.3	389.5	32.4
1,106.7	742.1	364.7	June	759.3	396.2	32.9
1,101.8	738.0	363.8	July	753.5	380.2	31.9

Production Workers Average Weekly Earnings: Manufacturing	Durable Goods	Nondurable Goods		Production Workers Average Weekly Hours: Manufacturing	Durable Goods	Nondurable Goods		Production Workers Average Hourly Earnings: Manufacturing	Durable Goods	Nondurable Goods
$283.08	$292.02	$258.34	1977	42.0	42.2	41.4	1977	$6.74	$6.92	$6.24
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.58	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
			1987				1987			
485.20	501.76	450.02	July	41.9	42.2	41.4	July	11.58	11.89	10.87
492.37	510.00	453.36	August	42.3	42.5	41.9	August	11.64	12.00	10.82
500.12	516.67	461.92	September	42.6	42.7	42.3	September	11.74	12.10	10.92
504.50	524.02	461.07	October	42.9	43.2	42.3	October	11.76	12.13	10.90
511.49	531.57	466.90	November	43.2	43.5	42.6	November	11.84	12.22	10.96
512.67	532.36	469.27	December	43.3	43.6	42.7	December	11.84	12.21	10.99
			1988				1988			
507.61	527.11	464.45	January	42.8	43.1	42.3	January	11.86	12.23	10.98
502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92
508.56	530.56	460.74	March	42.7	43.1	42.0	March	11.91	12.31	10.97
516.86	538.22	465.89	April	43.0	43.3	42.2	April	12.02	12.43	11.04
516.43	540.27	460.90	May	43.0	43.5	41.9	May	12.01	12.42	11.00
521.77	547.87	464.62	June	43.3	43.9	42.2	June	12.05	12.48	11.01
504.56	523.93	461.89	July	42.4	42.7	41.8	July	11.90	12.27	11.05

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[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.1	93.5	131.6	July	153.4	85.9	142.1	July	63.4	70.6	91.6
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.8	97.6	134.7	July	157.6	84.8	139.8	July	63.6	71.0	93.7

Average Weekly Earnings of Production Workers

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
459.62	615.48	496.02	July	522.22	454.81	641.99	July	445.82	441.44	437.19

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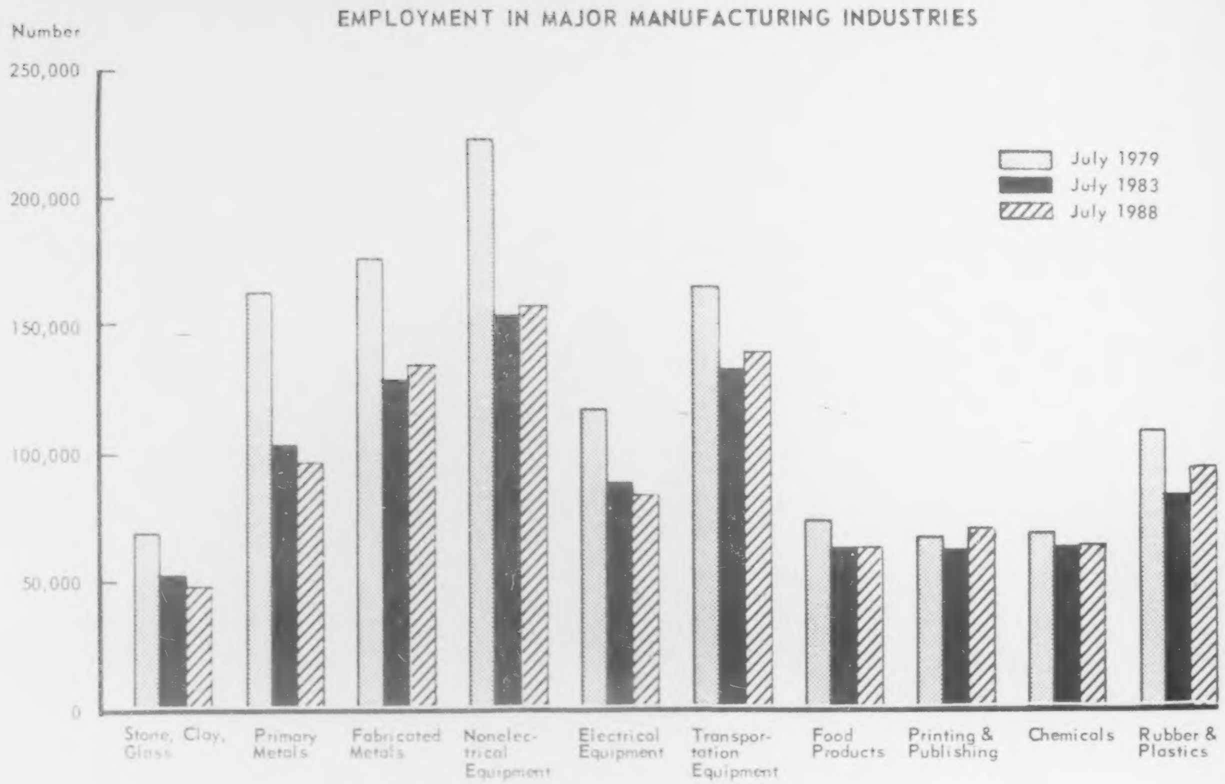
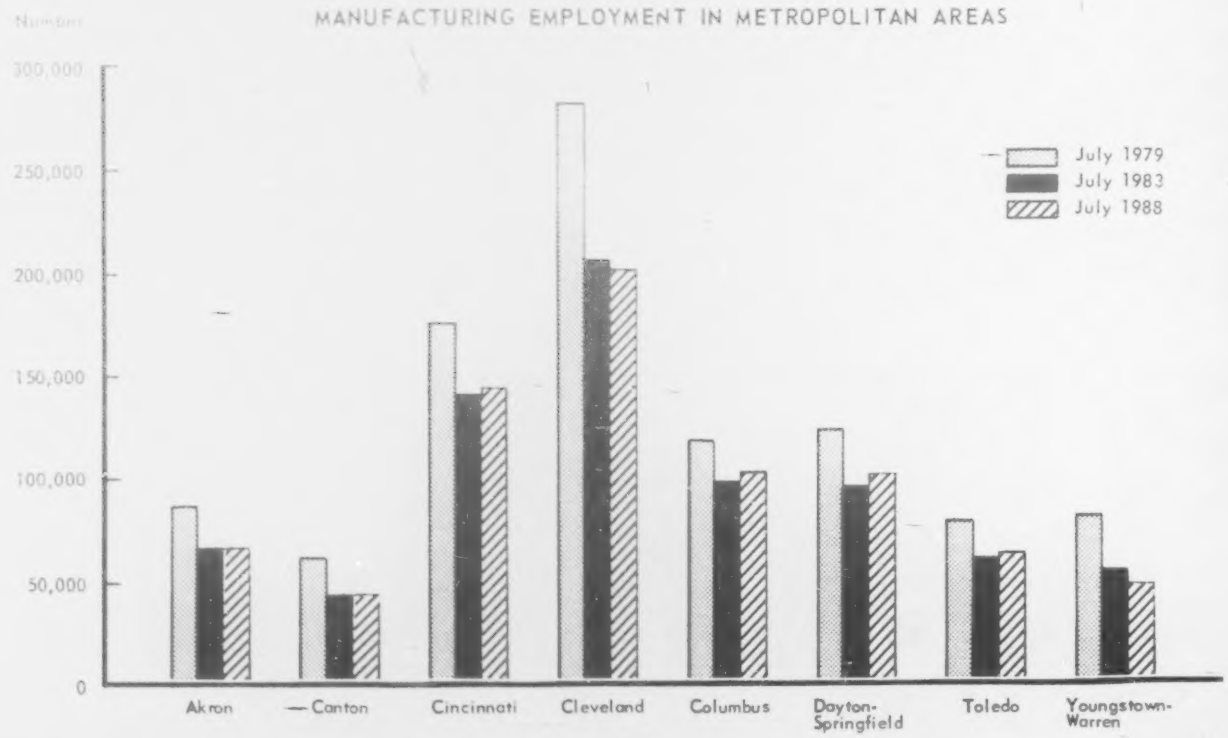
[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision.


EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES


MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS

Nonagricultural Wage & Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	4696.2	4728.6	4572.3	-32.4	124.0
MANUFACTURING	1101.8	1106.7	1084.3	-4.9	17.5
Durable Goods[e]	738.0	742.1	725.5	-4.0	12.5
Lumber and wood products	22.5	22.1	20.1	.4	2.4
Furniture and fixtures	14.6	14.6	14.1	-.1	.5
Stone, clay, and glass products	48.8	49.0	48.1	-.1	.7
Glass and glassware, pressed or blown.	9.5	9.7	9.4	-.3	.1
Primary metal industries	97.6	99.6	93.5	-2.0	4.1
Blast furnace and basic steel products	45.2	45.2	43.0	.0	2.2
Iron and steel foundries	20.8	21.2	19.7	-.4	1.2
Nonferrous rolling and drawing	16.6	17.9	16.2	-1.3	.4
Fabricated metal products	134.7	135.8	131.6	-1.1	3.2
Cutlery, hand tools, and hardware	9.7	9.9	9.4	-.2	.3
Fabricated structural metal products	28.6	28.6	29.6	.0	-1.0
Metal forgings and stampings	42.6	43.3	40.7	-.7	1.9
Machinery, except electrical	157.6	156.7	153.4	.8	4.2
Construction and related machinery	12.8	12.7	12.2	.1	.6
Metalworking machinery	40.3	40.0	39.6	.3	.7
Special industry machinery	17.5	17.2	16.3	.3	1.2
General industrial machinery	27.8	27.7	27.2	.1	.6
Office and computing machines	13.4	13.5	14.0	-.1	-.5
Refrigeration and service machinery	15.9	15.8	16.0	.2	-.1
Electric and electronic equipment	84.8	85.8	85.9	-1.1	-1.2
Electrical industrial apparatus	16.0	16.9	15.8	-.9	.3
Household appliances	15.6	15.4	16.0	.1	-.5
Electric lighting and wiring equipment	16.7	16.8	17.0	-.1	-.3
Communication equipment	10.0	10.0	10.2	.0	-.2
Transportation equipment	139.8	140.5	142.1	-.7	-2.3
Motor vehicles and equipment	91.9	92.6	87.9	-.7	4.0
Aircraft and parts	39.3	39.3	44.5	.0	-5.1
Instruments and related products	23.2	23.4	22.7	-.2	.5
Measuring and controlling devices	12.7	12.8	12.6	-.1	.1
Nondurable Goods[f]	363.8	364.7	358.8	-.9	5.0
Food and kindred products	63.6	63.6	63.4	.0	.2
Meat products	9.3	9.4	9.6	.0	-.2
Dairy products	11.1	11.0	10.6	.1	.4
Preserved fruits and vegetables	10.4	10.7	10.2	-.4	.2
Bakery products	9.2	9.1	9.2	.1	.1
Beverages	9.6	9.4	9.8	.2	-.2
Apparel and other textile products	16.4	16.3	15.8	.1	.6
Paper and allied products	37.6	37.7	36.7	.0	1.0
Misc. converted paper products	12.1	12.3	11.9	-.2	.2
Paperboard containers and boxes	13.2	13.2	12.6	.0	.6
Printing and publishing	71.0	71.1	70.6	-.1	.4
Newspapers	19.3	19.2	19.4	.1	-.1
Commercial printing	26.3	26.3	26.3	.0	.1
Chemicals and allied products	64.4	64.0	63.7	.4	.7
Industrial inorganic chemicals	9.3	9.3	9.0	.0	.3
Rubber and misc. plastics products	93.7	94.8	91.6	-1.1	2.1
Tires and inner tubes	17.2	17.1	17.4	.1	-.2
Miscellaneous plastics products	55.7	56.7	54.4	-.9	1.4

See footnotes on page 13.

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3594.4	3621.9	3488.0	-27.5	106.5
MINING	20.6	20.3	21.1	.3	-.6
Bituminous coal and lignite mining	8.5	8.6	9.2	.0	-.7
Oil and gas extraction	7.0	6.8	7.0	.2	.0
CONSTRUCTION	209.6	200.1	192.7	9.4	16.9
General building contractors	52.8	50.6	47.8	2.2	4.9
Heavy construction contractors	29.6	28.1	27.2	1.4	2.3
Highway and street construction	14.2	13.5	12.4	.7	1.8
Special trade contractors	127.3	121.4	117.7	5.9	9.6
TRANSPORTATION AND PUBLIC UTILITIES	210.9	210.9	208.6	.0	2.3
Railroad transportation	13.6	13.6	14.4	.0	-.8
Transportation, except railroads	107.3	107.6	104.1	-.3	3.1
Trucking and warehousing	74.2	74.0	72.8	.1	1.4
Communication, electric, gas services	90.1	89.8	90.1	.3	.0
Communication	47.7	47.7	47.5	.0	.2
Electric, gas, and sanitary services	42.4	42.1	42.6	.3	-.2
WHOLESALE TRADE	258.0	257.6	250.6	.4	7.4
Wholesale trade-durable goods	161.9	161.4	157.6	.5	4.4
Motor vehicles & automotive equipment	22.4	22.5	22.0	-.1	.4
Electrical goods	19.7	19.6	19.2	.1	.5
Machinery, equipment, and supplies	69.1	68.9	67.6	.2	1.5
Wholesale trade-nondurable goods	96.1	96.2	93.0	-.1	3.0
Groceries and related products	30.1	30.2	29.0	-.1	1.1
RETAIL TRADE	879.2	877.4	852.8	1.7	26.3
General merchandise stores	117.3	116.6	115.6	.7	1.7
Department stores	101.7	101.3	100.7	.4	1.0
Food stores	134.3	133.5	131.4	.8	2.8
Automotive dealers & service stations	97.2	96.8	94.4	.4	2.8
Apparel and accessory stores	43.3	43.1	40.8	.2	2.5
Eating and drinking places	313.6	314.0	305.0	-.4	8.6
FINANCE, INSURANCE, AND REAL ESTATE	254.1	252.5	246.8	1.6	7.3
Banking	64.9	64.4	63.8	.5	1.1
Credit agencies other than banks	38.7	38.5	37.7	.2	1.0
Insurance carriers	69.4	69.5	68.3	.0	1.1
Life insurance	25.6	25.9	25.7	-.3	-.1
Fire, marine, and casualty insurance	31.2	30.9	30.3	.3	.9
SERVICES	1108.6	1109.4	1068.2	-.8	40.4
Hotels and other lodging places	37.5	36.7	36.9	.7	.5
Personal services	57.8	58.1	55.7	-.2	2.2
Laundry, cleaning, & garment services	19.3	19.3	18.8	-.1	.5
Business services	226.4	223.4	213.4	2.9	13.0
Services to buildings	31.8	31.7	29.6	.1	2.2
Computer and data processing services	20.7	20.4	18.9	.3	1.9
Amusement and recreation services	55.2	54.5	54.5	.7	.7
Health services	373.4	370.7	363.7	2.7	9.7
Nursing and personal care facilities	82.7	82.3	80.4	.4	2.3
Hospitals	180.5	179.2	178.6	1.3	1.9
Educational services	49.9	57.5	48.7	-7.6	1.2
Colleges and universities	24.4	28.7	23.7	-4.3	.6
GOVERNMENT	653.6	693.7	647.1	-40.1	6.5
Federal government	94.6	95.1	95.3	-.4	-.7
State government	139.2	153.9	136.6	-14.7	2.6
State government education[1]	62.6	77.6	60.9	-15.0	1.8
State government, except education	76.6	76.3	75.7	.3	.9
Local government	419.7	444.8	415.2	-25.0	4.5
Local government education	224.0	253.3	220.3	-29.2	3.7
Local government, except education	195.7	191.5	194.9	4.2	.8

See footnotes on page 13.

Ohio

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$504.56	$521.77	$485.20	42.4	43.3	41.9	$11.90	$12.05	$11.58
Durable Goods[e]	523.93	547.87	501.76	42.7	43.9	42.2	12.27	12.48	11.89
Lumber and wood products	319.90	317.75	298.48	41.6	41.7	41.0	7.69	7.62	7.28
Furniture and fixtures	369.98	359.24	349.92	41.2	40.5	40.5	8.98	8.87	8.64
Stone, clay, and glass products	459.62	469.15	446.42	42.4	43.2	41.8	10.84	10.86	10.68
Glass and glassware, pressed or blown	495.85	491.10	464.47	42.2	42.3	39.8	11.75	11.61	11.67
Primary metal industries	615.48	642.16	597.64	44.6	46.0	44.5	13.80	13.96	13.43
Blast furnace and basic steel products	664.09	666.92	638.02	46.8	46.9	46.1	14.19	14.22	13.84
Iron and steel foundries	593.89	668.45	586.28	42.3	46.1	43.3	14.04	14.50	13.54
Nonferrous rolling and drawing	617.73	654.05	601.27	41.1	43.2	41.9	15.03	15.14	14.35
Fabricated metal products	496.02	531.73	473.20	42.0	43.8	41.4	11.81	12.14	11.43
Cutlery, hand tools, and hardware	469.60	509.16	462.00	40.0	41.7	40.0	11.74	12.21	11.55
Fabricated structural metal products	451.08	456.45	428.68	42.0	42.5	41.7	10.74	10.74	10.28
Metal forgings and stampings	609.00	671.14	569.66	43.1	46.0	41.4	14.13	14.59	13.76
Machinery, except electrical	522.22	531.19	494.89	43.7	43.9	42.7	11.95	12.10	11.59
Construction and related machinery	426.40	424.77	409.65	41.6	41.2	40.6	10.25	10.31	10.09
Metalworking machinery	504.22	499.26	470.30	44.7	44.3	42.6	11.28	11.27	11.04
Special industry machinery	532.20	517.30	469.13	45.8	45.1	41.7	11.62	11.47	11.25
General industrial machinery	518.25	555.06	506.52	42.1	43.5	42.0	12.31	12.76	12.06
Office and computing machines	461.38	433.13	410.31	42.8	40.9	42.3	10.78	10.59	9.70
Refrigeration and service machinery	632.26	662.57	573.33	44.4	45.6	43.5	14.24	14.53	13.18
Electric and electronic equipment	454.81	471.66	449.21	40.9	42.0	40.8	11.12	11.23	11.01
Electrical industrial apparatus	453.02	482.45	457.75	41.6	43.7	41.5	10.89	11.04	11.03
Household appliances	474.38	479.57	474.37	40.1	40.3	41.0	11.83	11.90	11.57
Electric lighting and wiring equipment	459.02	488.78	435.97	40.3	42.1	39.1	11.39	11.61	11.15
Communication equipment	482.86	482.30	497.95	41.2	40.7	41.6	11.72	11.85	11.97
Transportation equipment	641.99	690.53	604.07	43.0	45.4	42.6	14.93	15.21	14.18
Motor vehicles and equipment	662.45	726.08	616.77	43.1	46.1	42.1	15.37	15.75	14.65
Aircraft and parts	604.47	595.95	583.88	43.3	43.5	44.0	13.96	13.70	13.27
Instruments and related products	373.46	367.08	358.27	40.2	39.9	39.5	9.29	9.20	9.07
Measuring and controlling devices	359.59	351.50	355.74	38.5	38.0	38.5	9.34	9.25	9.24
Nondurable Goods[f]	461.89	464.62	450.02	41.8	42.2	41.4	11.05	11.01	10.87
Food and kindred products	445.82	438.88	434.92	41.9	41.6	41.5	10.64	10.55	10.48
Meat products	374.67	367.52	360.00	41.4	40.7	40.0	9.05	9.03	9.00
Dairy products	471.73	463.31	479.60	43.8	43.3	44.0	10.77	10.70	10.90
Preserved fruits and vegetables	461.48	464.96	417.60	41.5	41.7	40.0	11.12	11.15	10.44
Bakery products	468.45	470.37	459.33	39.8	40.1	39.7	11.77	11.73	11.57
Beverages	452.60	440.79	433.86	42.9	41.9	42.0	10.55	10.52	10.33
Apparel and other textile products	290.86	302.04	280.49	39.2	39.9	37.7	7.42	7.57	7.44
Paper and allied products	495.44	498.61	493.06	44.0	44.4	44.3	11.26	11.23	11.13
Misc. converted paper products	461.75	427.00	443.07	44.7	42.7	43.1	10.33	10.00	10.28
Paperboard containers and boxes	426.22	443.98	433.01	42.2	43.4	43.0	10.10	10.23	10.07
Printing and publishing	441.44	441.00	420.81	39.1	39.2	38.5	11.29	11.25	10.93
Newspapers	373.29	375.49	354.98	34.5	34.8	34.1	10.82	10.79	10.41
Commercial printing	438.87	431.08	419.89	40.3	40.1	39.8	10.89	10.75	10.55
Chemicals and allied products	558.11	552.97	527.92	42.8	42.7	41.7	13.04	12.95	12.66
Industrial inorganic chemicals	573.52	592.70	565.55	42.8	44.1	42.3	13.40	13.44	13.37
Rubber and misc. plastics products	437.19	451.62	436.60	42.2	43.3	41.9	10.36	10.43	10.42
Tires and inner tubes	678.59	683.85	656.83	46.1	46.3	45.9	14.72	14.77	14.31
Miscellaneous plastics products	415.17	433.87	420.58	41.6	43.0	41.6	9.98	10.09	10.11

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

Ohio (continued)

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MINING	$531.96	$538.16	$530.50	42.9	43.4	43.2	$12.40	$12.40	$12.28
Bituminous coal and lignite mining	628.00	636.73	630.24	40.7	41.4	41.3	15.43	15.38	15.26
CONSTRUCTION	603.00	589.74	569.30	40.2	39.5	39.1	15.00	14.93	14.56
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	574.74	560.69	566.48	41.2	40.6	41.5	13.95	13.81	13.65
Communication	549.59	538.80	559.42	40.5	40.0	41.5	13.57	13.47	13.48
Electric, gas, and sanitary services	605.40	587.47	576.99	42.1	41.4	41.6	14.38	14.19	13.87
WHOLESALE TRADE	391.39	390.00	378.97	39.1	39.0	39.6	10.01	10.00	9.57
Wholesale trade-durable goods	386.12	385.92	374.30	39.2	39.1	39.4	9.85	9.87	9.50
Wholesale trade-nondurable goods	400.92	397.56	386.80	39.0	38.9	40.0	10.28	10.22	9.67
RETAIL TRADE[h]	170.23	166.75	163.52	29.4	28.9	29.2	5.79	5.77	5.60
General merchandise stores	183.86	179.38	186.00	29.0	28.7	30.0	6.34	6.25	6.20
Department stores	189.57	183.74	191.77	29.3	28.8	30.2	6.47	6.38	6.35
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	268.81	268.99	260.42	....	....	....	.....	.....	.....
Credit agencies other than banks	271.21	268.47	254.53	....	....	....	.....	.....	.....
Insurance carriers	370.08	371.02	345.41	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	342.04	338.31	333.33	33.5	33.2	33.3	10.21	10.19	10.01

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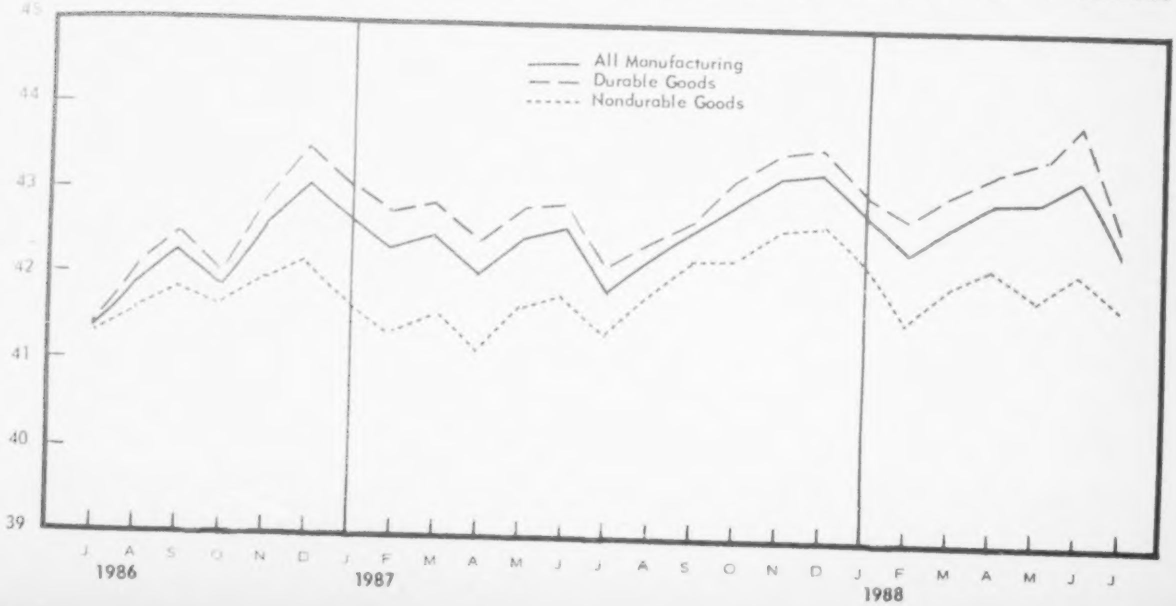
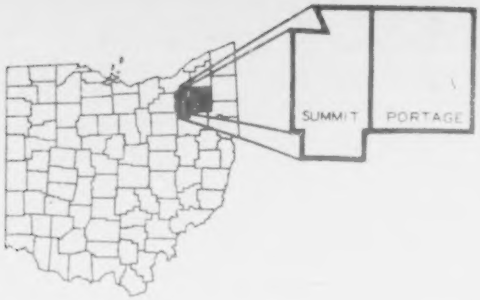
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



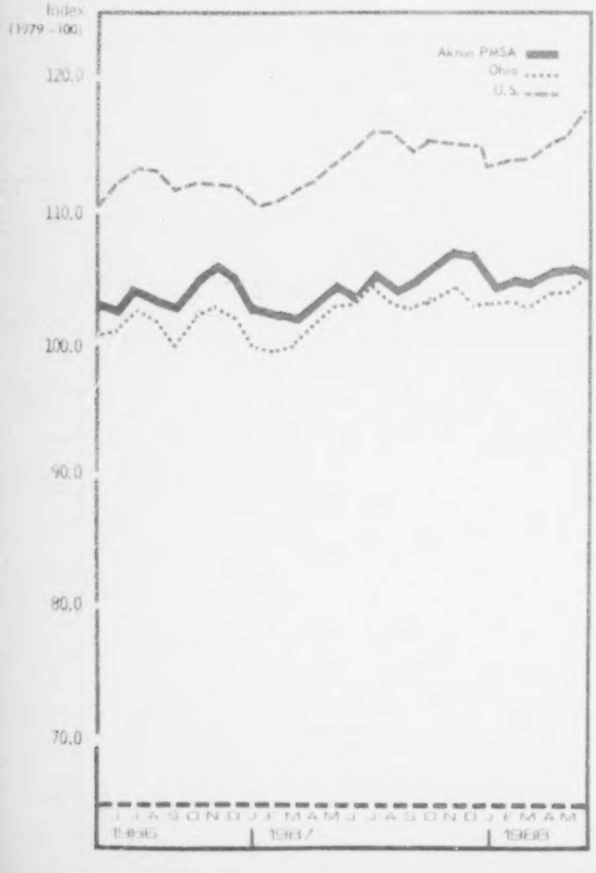
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



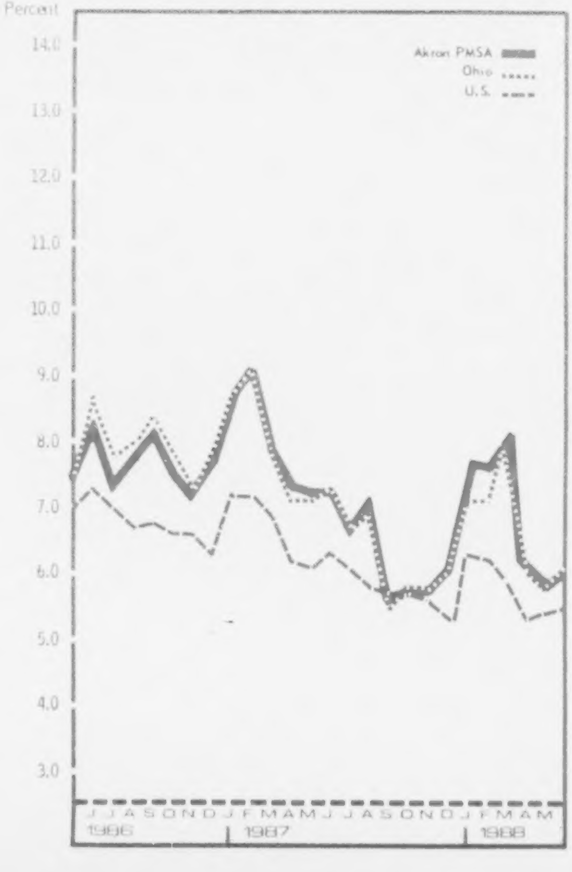
In the Akron metropolitan area, nonfarm payroll employment totaled 269,200 in July, 400 lower than in June 1988. Nonmanufacturing employment was unchanged over the month as scattered increases offset seasonal declines in nonteaching personnel in state and local schools and colleges. The manufacturing workforce lost 400 jobs due to modest reductions in rubber and miscellaneous plastics products and fabricated metal products. Factory production workers averaged $11.51 per hour, down $.25 from June. Their average workweek of 43.0 hours was 1.1 hours shorter.

Between July 1987 and July 1988, nonagricultural wage and salary employment advanced 7,100. Services, especially health services, retail trade, and construction were the primary growth sectors. Manufacturing employment gained 1,100 workers over the year, with moderate improvement noted in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



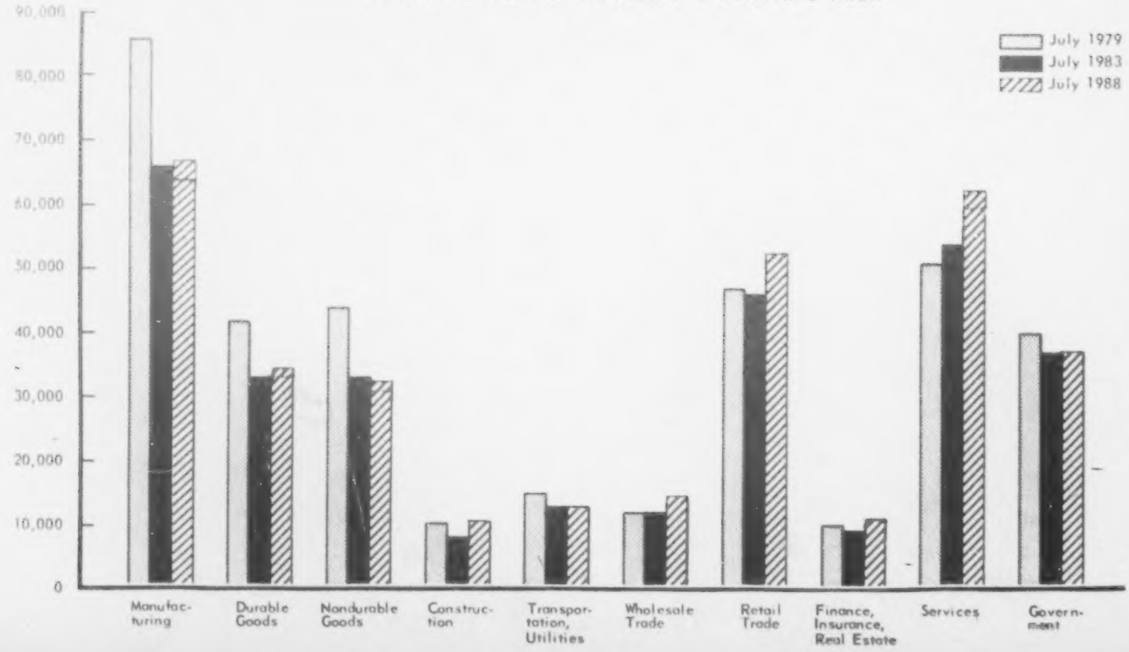
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.4	300.4	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
INA	INA	INA	INA	July	269.2	67.1	36.9	494.93	43.0	11.51

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	269.2	269.6	262.1	-.4	7.1
MANUFACTURING	67.1	67.5	66.0	-.4	1.1
Durable Goods[e]	34.6	34.8	33.5	-.2	1.1
Fabricated metal products	11.5	11.6	11.4	-.1	.1
Machinery, except electrical	10.0	10.0	9.2	.0	.8
Metalworking machinery	3.5	3.6	3.3	-.1	.3
Nondurable Goods[f]	32.5	32.7	32.5	-.2	-.1
Food and kindred products	3.1	3.1	3.1	.0	.0
Chemicals and allied products	2.9	2.9	3.1	.0	-.2
Rubber and misc. plastics products	20.9	21.1	20.8	-.2	.1
Tires and inner tubes	12.8	12.8	13.1	.0	-.3
NONMANUFACTURING[g]	202.1	202.1	196.0	.0	6.0
CONSTRUCTION	10.6	10.0	9.7	.6	.9
TRANSPORTATION AND PUBLIC UTILITIES	13.0	13.0	13.1	.0	.0
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.5	14.5	14.1	.0	.4
RETAIL TRADE	52.5	52.5	51.4	.1	1.1
General merchandise stores	6.1	6.0	6.2	.1	-.1
FINANCE, INSURANCE, AND REAL ESTATE	11.0	10.9	10.7	.1	.3
Banking	3.3	3.2	3.1	.1	.2
SERVICES	62.5	62.4	59.3	.0	3.2
Business services	11.9	11.8	11.3	.2	.6
Amusement and recreation services	4.9	4.8	4.6	.1	.3
Health services	20.4	20.4	19.4	.1	1.1
GOVERNMENT	37.4	38.3	37.3	-.9	.2
State government	10.7	11.0	10.5	-.3	.2
State government education[1]	7.6	8.0	7.4	-.4	.2
State government, except education	3.1	3.1	3.1	.1	.0
Local government	24.3	24.9	24.4	-.5	.0
Local government education	12.9	13.5	12.2	-.6	.7
Local government, except education	11.5	11.4	12.2	.1	-.7

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

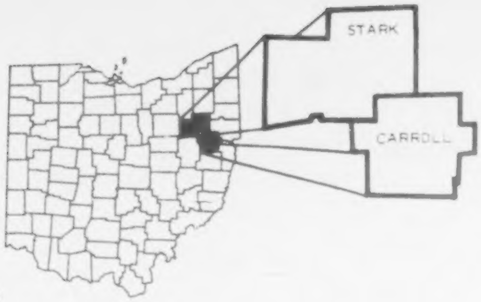
	Average Earnings			Average Hours			Average Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$494.93	$518.62	$469.42	43.0	44.1	42.1	$11.51	$11.76	$11.15
Durable Goods[e]	495.33	546.68	489.90	42.3	44.7	42.6	11.71	12.23	11.50
Fabricated metal products	589.53	731.68	575.60	42.2	48.2	42.7	13.97	15.18	13.48
Machinery, except electrical	466.06	462.95	458.21	44.9	44.6	44.4	10.38	10.38	10.32
Metalworking machinery	501.88	498.34	453.81	46.6	46.4	45.2	10.77	10.74	10.04
Nondurable Goods[f]	492.56	479.33	439.43	43.9	43.3	41.3	11.22	11.07	10.64
Food and kindred products	460.16	448.12	470.65	43.7	42.8	43.7	10.53	10.47	10.77
Chemicals and allied products	510.85	488.97	480.78	43.7	41.9	42.1	11.69	11.67	11.42
Rubber and misc. plastics products	509.82	510.75	460.90	44.8	45.0	41.9	11.38	11.35	11.00
Tires and inner tubes	818.47	821.94	708.25	50.9	50.8	46.2	16.08	16.18	15.33
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	579.10	562.47	575.19	41.1	40.7	41.5	14.09	13.82	13.86
WHOLESALE TRADE	352.85	353.51	333.89	37.9	38.3	37.6	9.31	9.23	8.88
RETAIL TRADE[h]	200.85	198.11	200.45	32.5	31.8	32.7	6.18	6.23	6.13

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	2,245	2,619	3,329
Active File of Job Seekers	17,305	17,303	18,962
Referrals to Jobs	1,972	1,511	1,889
Placements	533	641	1,222
Job Openings Received	1,379	1,475	1,952
Job Openings Unfilled	2,494	1,993	2,895
Unemployment Insurance Program			
Initial Claims	2,822	2,133	3,602
Continued Claims	19,341	19,968	27,935
First Payments	878	880	1,393
Last Payments	314	437	563
Weeks Compensated	13,327	17,328	23,626
Benefits Paid	$1,923,566	$2,550,683	$3,506,875
Average Weekly Payment	$147.96	$151.30	$151.76

CANTON
METROPOLITAN STATISTICAL AREA

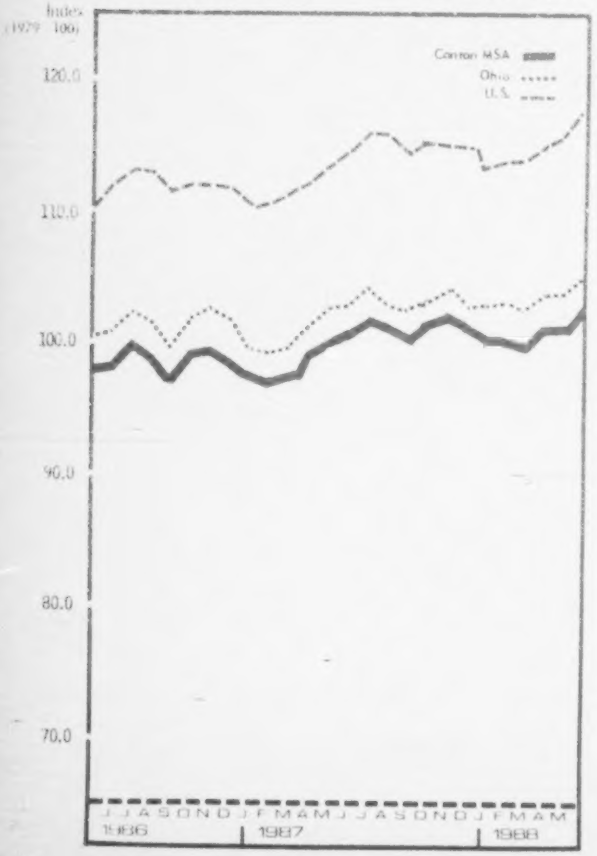


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

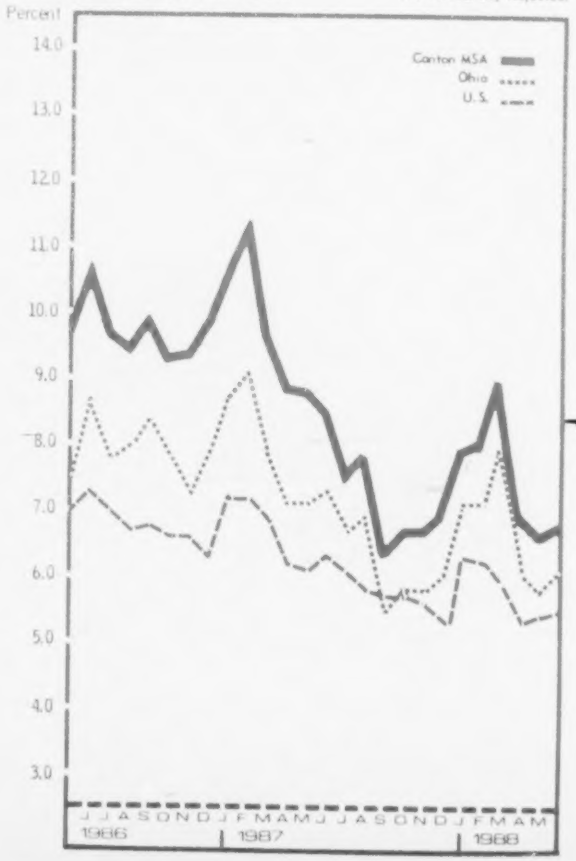
Nonagricultural payroll employment in the Canton metropolitan area rose 300 from June, to 161,700 in July 1988. Modest improvements in primary metal industries and fabricated metal products increased manufacturing employment 200. Nonmanufacturing employment was unchanged. The seasonal loss of local nonteaching personnel was offset by gains in construction, transportation and public utilities, and retail trade. Manufacturing production workers earned an average of $11.26 per hour, down $.09 from last month. Their average workweek, 42.7 hours, was .1 hours shorter.

Total nonfarm wage and salary employment increased 6,100 between July 1987 and July 1988. Nonmanufacturing industries provided 78.7 percent of the improvement. Major growth sectors were services, construction, and retail trade. The manufacturing labor force advanced 1,200 over the year, to 44,100. Noteworthy expansion occurred in primary metal industries.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

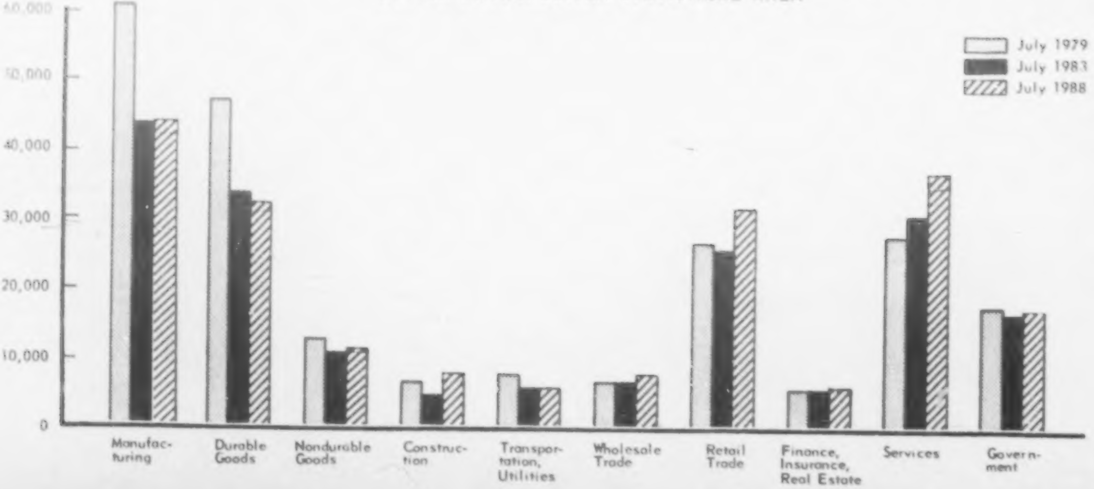


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.9	178.8	13.1	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
INA	INA	INA	INA	July	161.7	44.1	31.5	480.80	42.7	11.26

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	161.7	161.5	155.7	.3	6.1
MANUFACTURING	44.1	43.9	42.9	.2	1.2
Durable Goods[e]	32.4	32.1	31.3	.3	1.0
Primary metal industries	10.8	10.7	10.1	.1	.7
Fabricated metal products	6.3	6.3	6.6	.1	-.2
Metal forgings and stampings	2.0	2.0	2.2	.0	-.2
Nondurable Goods[f]	11.8	11.8	11.6	-.1	.2
Food and kindred products	3.4	3.4	3.5	.0	-.1
Rubber and misc. plastics products	3.0	3.0	2.9	.0	.1
NONMANUFACTURING[g]	117.6	117.6	112.8	.0	4.8
CONSTRUCTION	8.2	7.7	6.8	.5	1.4
TRANSPORTATION AND PUBLIC UTILITIES	6.3	6.1	5.8	.2	.5
Communication, electric, gas services	2.8	2.7	2.6	.1	.2
WHOLESALE TRADE	8.1	8.2	8.1	.0	.0
Wholesale trade-durable goods	4.5	4.5	4.6	.0	-.1
RETAIL TRADE	32.2	32.0	31.2	.2	1.0
General merchandise stores	4.0	4.0	3.7	.0	.2
Food stores	5.2	5.1	5.0	.1	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.4	6.6	.1	.0
Banking	1.9	1.9	1.9	.0	.0
SERVICES	37.2	37.2	35.7	.1	1.5
Health services	15.5	15.4	15.1	.1	.4
GOVERNMENT	17.9	18.9	17.6	-1.0	.3
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	14.7	15.7	14.5	-1.0	.2
Local government education	7.9	8.7	8.1	-.8	-.2
Local government, except education	6.8	7.0	6.4	-.2	.4

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

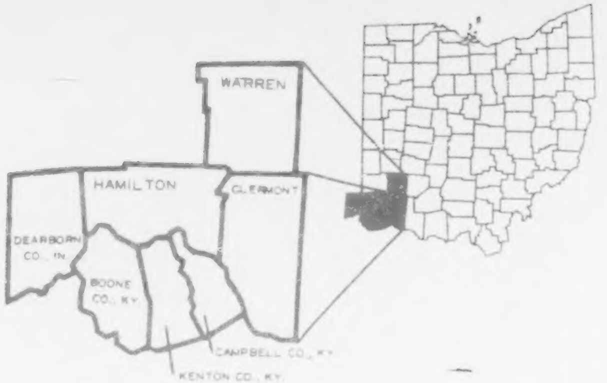
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$480.80	$485.78	$470.50	42.7	42.8	41.6	$11.26	$11.35	$11.31
Durable Goods[e]	504.45	512.00	496.27	43.3	43.5	42.2	11.65	11.77	11.76
Primary metal industries	600.78	603.94	576.29	46.5	46.6	43.2	12.92	12.96	13.34
Fabricated metal products	435.59	452.15	446.76	40.9	42.1	40.8	10.65	10.74	10.95
Metal forgings and stampings	558.19	569.23	579.04	40.1	40.2	40.1	13.92	14.16	14.44
Nondurable Goods[f]	409.59	406.59	393.82	41.0	40.7	39.7	9.99	9.99	9.92
Food and kindred products	404.74	409.81	402.19	38.4	38.3	39.9	10.54	10.70	10.08
Rubber and misc. plastics products	414.83	411.64	442.21	41.4	41.0	43.1	10.02	10.04	10.26
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	559.37	546.72	575.51	40.8	40.2	42.1	13.71	13.60	13.67
WHOLESALE TRADE	400.34	382.50	387.86	38.2	37.5	38.1	10.48	10.20	10.18
RETAIL TRADE[h]	164.79	160.56	157.29	29.8	29.3	29.4	5.53	5.48	5.35

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	1,956	1,542	1,924
Active File of Job Seekers	12,656	12,069	12,268
Referrals to Jobs	1,958	1,147	1,583
Placements	273	190	808
Job Openings Received	1,191	681	652
Job Openings Unfilled	2,135	1,409	739
Unemployment Insurance Program			
Initial Claims	1,651	1,520	2,550
Continued Claims	11,107	13,158	18,326
First Payments	554	588	769
Last Payments	217	220	393
Weeks Compensated	8,304	11,262	13,313
Benefits Paid	$1,121,256	$1,586,247	$1,855,245
Average Weekly Payment	$139.58	$145.29	$143.54

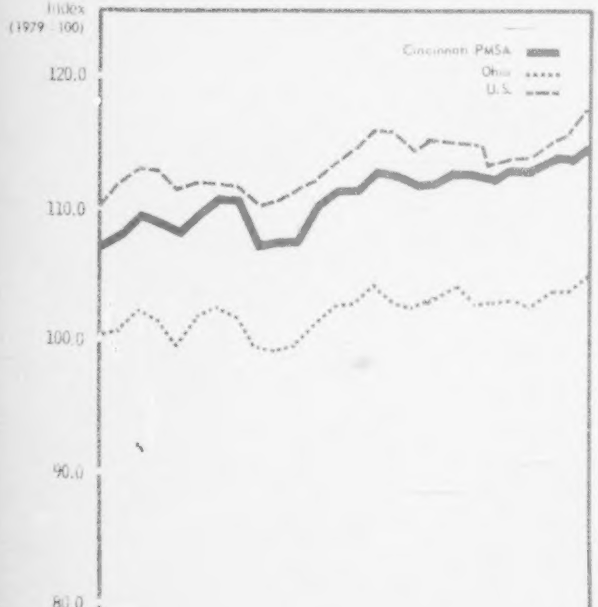
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



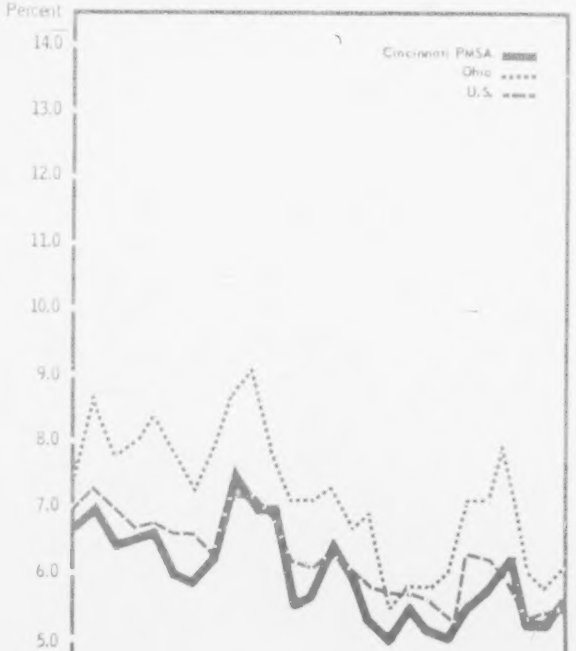
Total nonfarm wage and salary employment in the Cincinnati metropolitan area declined 2,600 from June, to 700,100 in July 1988. The loss was concentrated in the nonmanufacturing sector. Seasonal reductions in nonteaching personnel in state and local schools and colleges (-6,000) negated moderate gains in construction and retail trade. Manufacturing employment rose 200, to 143,900 in July, with scattered gains occurring in durable- and nondurable-goods industries.

Between July 1987 and July 1988, nonagricultural payroll employment advanced 20,700. Significant growth was recorded in services, retail trade, and construction. Marked improvements also occurred in finance, insurance, and real estate, wholesale trade, and transportation and public utilities. Over the year, the manufacturing workforce declined 1,000 due to reductions in transportation equipment (-1,500).

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



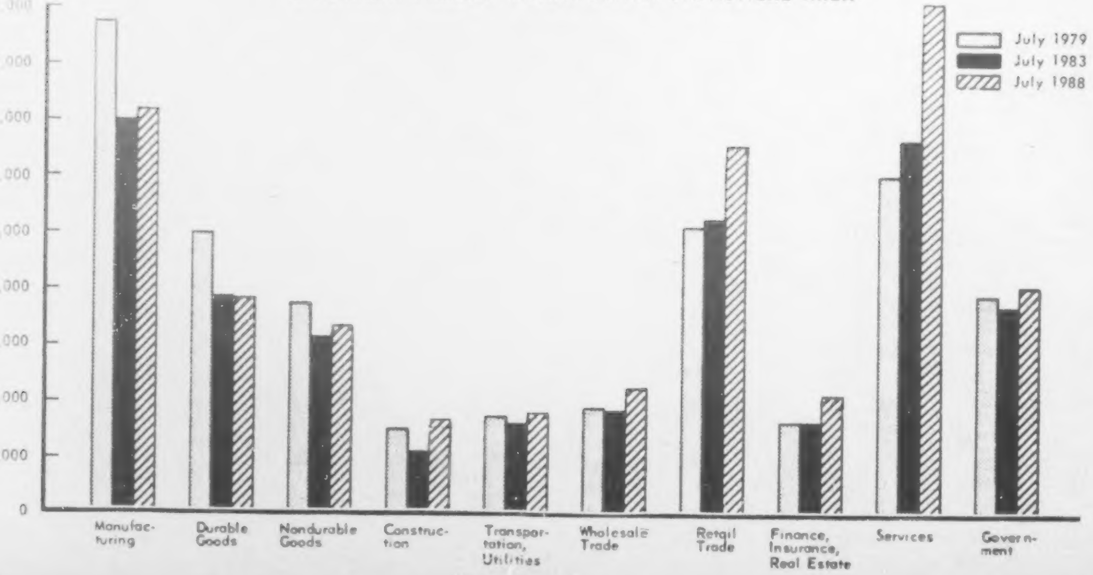
CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
750.4	701.8	48.6	6.5	June	680.2	144.7	92.0	466.52	42.8	10.90
756.6	712.1	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.1	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
763.0	720.3	42.7	5.6	June	702.7	143.7	91.5	466.62	42.0	11.11
INA	INA	INA	INA	July	700.1	143.9	91.6	461.76	41.6	11.10

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	700.1	702.7	679.4	- 2.6	20.7
MANUFACTURING	143.9	143.7	144.9	.2	- 1.0
Durable Goods[e]	76.8	76.7	77.9	.1	- 1.1
Fabricated metal products	9.9	9.9	10.1	.1	- .2
Fabricated structural metal products	3.7	3.7	4.0	.0	- .2
Machinery, except electrical	20.3	20.3	20.7	.0	- .4
Metalworking machinery	8.0	8.0	8.3	.1	- .3
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	7.7	7.7	7.5	.0	.1
Transportation equipment	24.4	24.3	25.9	.1	- 1.5
Motor vehicles and equipment	4.8	4.8	5.2	.0	- .4
Nondurable Goods[f]	67.1	66.9	67.0	.2	.1
Food and kindred products	13.5	13.4	13.3	.1	.2
Beverages	3.5	3.5	3.7	.0	- .1
Apparel and other textile products	3.9	3.7	3.8	.1	.1
Paper and allied products	5.8	5.9	6.0	.0	- .2
Printing and publishing	13.0	13.1	13.3	- .1	- .3
Commercial printing	5.6	5.7	5.9	.0	- .3
Chemicals and allied products	22.8	22.7	22.6	.1	.3
Rubber and misc. plastics products	5.7	5.8	5.6	- .1	.1
NONMANUFACTURING[g]	556.2	559.0	534.4	- 2.9	21.8
CONSTRUCTION	34.5	33.4	31.2	1.2	3.3
TRANSPORTATION AND PUBLIC UTILITIES	36.8	36.7	35.5	.1	1.3
Trucking and warehousing	10.6	10.5	10.0	.1	.7
Communication, electric, gas services	15.2	15.1	15.2	.2	.0
WHOLESALE TRADE	45.9	45.7	44.2	.1	1.6
Wholesale trade-durable goods	27.3	27.2	26.0	.2	1.3
RETAIL TRADE	131.2	130.2	126.7	1.0	4.5
General merchandise stores	17.4	17.0	17.7	.3	- .3
FINANCE, INSURANCE, AND REAL ESTATE	42.7	42.4	40.8	.3	1.8
Banking	9.4	9.3	8.8	.1	.5
Insurance carriers	14.3	14.3	13.8	.0	.5
SERVICES	182.3	182.1	173.7	.3	8.6
Hotels and other lodging places	7.3	7.2	6.8	.1	.5
Personal services	8.7	8.8	8.3	- .1	.4
Business services	44.3	43.2	40.7	1.1	3.6
Amusement and recreation services	11.2	11.5	11.3	- .3	- .1
Health services	55.2	54.9	53.2	.3	1.9
Hospitals	26.0	25.9	25.5	.2	.6
GOVERNMENT	82.2	88.1	81.8	- 5.8	.4
Federal government	14.9	15.2	14.4	- .3	.5
State government	18.0	19.6	18.3	- 1.6	- .3
State government education[i]	10.1	11.7	10.2	- 1.6	- .1
State government, except education	7.9	7.9	8.1	.0	- .2
Local government	49.3	53.3	49.1	- 4.0	.2
Local government education	25.4	29.8	26.0	- 4.4	- .6
Local government, except education	23.9	23.5	23.1	.4	.8

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jun. 1987[c]
MANUFACTURING	$461.76	$466.62	$451.73	41.6	42.0	42.1	$11.10	$11.11	$10.73
Durable Goods[e]	449.19	469.45	436.60	41.4	42.6	41.9	10.85	11.02	10.42
Fabricated metal products	408.36	419.16	429.57	41.5	42.0	44.7	9.84	9.98	9.61
Fabricated structural metal products	451.14	447.34	450.22	43.8	43.6	46.8	10.30	10.26	9.62
Machinery, except electrical	431.96	430.42	407.38	42.6	42.7	41.4	10.14	10.08	9.84
Metalworking machinery	493.50	493.06	435.51	44.3	44.5	40.4	11.14	11.08	10.78
General industrial machinery	426.53	438.22	404.49	44.2	45.6	43.4	9.65	9.61	9.32
Electric and electronic equipment	331.74	326.09	335.43	38.8	39.1	38.6	8.55	8.34	8.69
Transportation equipment	637.45	720.90	600.48	41.8	46.6	42.8	15.25	15.47	14.03
Motor vehicles and equipment	632.84	895.96	636.70	38.1	51.7	40.4	16.61	17.33	15.76
Nondurable Goods[f]	473.59	465.22	466.57	41.8	41.5	42.3	11.33	11.21	11.03
Food and kindred products	548.10	482.98	489.77	45.0	41.6	43.0	12.18	11.61	11.39
Beverages	520.42	519.58	523.34	41.6	41.5	41.8	12.51	12.52	12.52
Apparel and other textile products	208.15	217.19	204.79	36.2	37.0	36.7	5.75	5.87	5.58
Paper and allied products	423.43	422.35	433.72	41.8	41.9	42.9	10.13	10.08	10.11
Printing and publishing	455.06	446.23	454.90	40.2	39.7	40.4	11.32	11.24	11.26
Commercial printing	500.09	475.27	507.86	43.6	41.8	44.2	11.47	11.37	11.49
Chemicals and allied products	552.66	556.62	551.23	41.9	42.2	43.2	13.19	13.19	12.76
Rubber and misc. plastics products	386.14	401.76	436.97	41.7	43.2	45.9	9.26	9.30	9.52
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	568.41	563.70	553.79	41.1	40.7	40.9	13.83	13.85	13.54
WHOLESALE TRADE	407.23	406.42	394.70	40.4	40.4	41.2	10.08	10.06	9.58
RETAIL TRADE[h]	168.99	167.83	167.10	29.7	29.6	30.0	5.69	5.67	5.57
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	265.74	260.77	255.25	....	....	....	.....	.....	.....

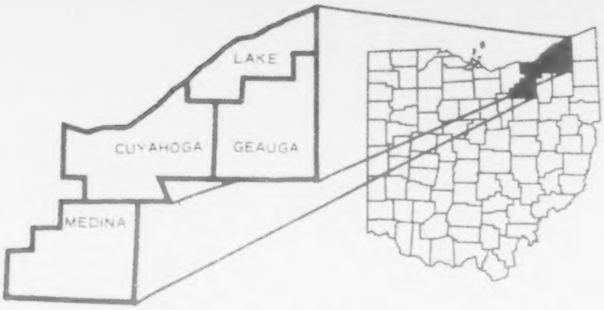
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	2,624	2,916	3,112
Active File of Job Seekers	21,162	21,335	20,103
Referrals to Jobs	1,647	1,850	2,035
Placements	271	599	430
Job Openings Received	1,474	1,295	1,425
Job Openings Unfilled	2,201	1,883	3,264
Unemployment Insurance Program			
Initial Claims	3,197	4,157	6,360
Continued Claims	36,602	39,185	42,218
First Payments	1,708	1,660	2,606
Last Payments	705	747	900
Weeks Compensated	27,886	31,220	35,401
Benefits Paid	$4,232,611	$4,874,757	$5,216,113
Average Weekly Payment	$153.70	$158.37	$150.10

[a] Ohio data only

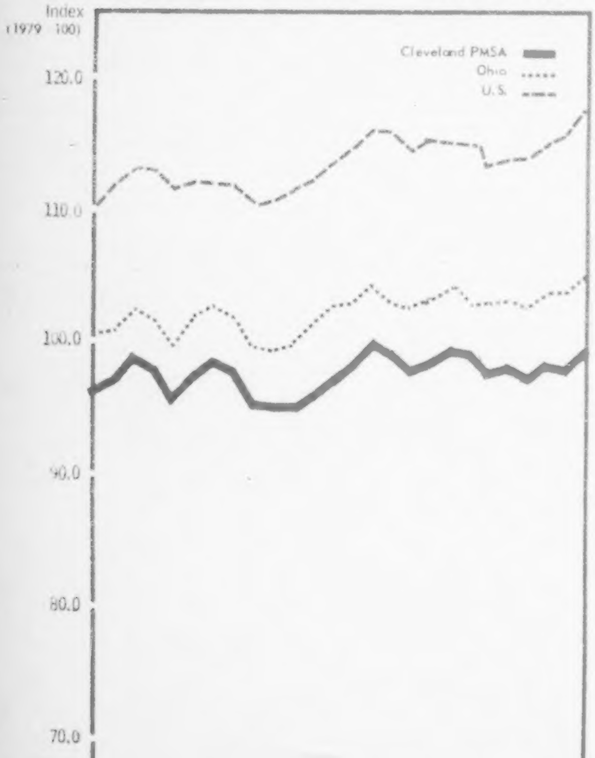
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



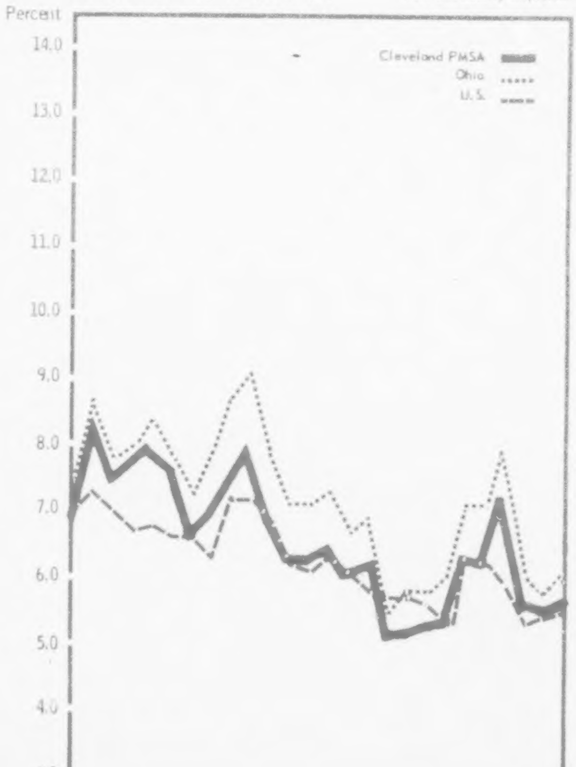
In the Cleveland metropolitan area, total nonfarm payroll employment was 921,100 in July 1988, a gain of 2,600 from June. The improvement was concentrated in nonmanufacturing industries, with moderate gains in construction, government, services, and finance, insurance, and real estate. The manufacturing labor force dropped 1,200 over the month due to a labor-management dispute in electric and electronic equipment and less business in food and kindred products. Production worker average hourly earnings, $11.68 per hour, were down $.18 from June. Their average workweek was 1.0 hours shorter, at 42.7 hours.

Nonagricultural wage and salary employment increased 20,400 between July 1987 and July 1988. Expansion in the nonmanufacturing sector provided 85.8 percent of the gain. Primary growth industries were services and retail trade. Marked improvements were also noted in finance, insurance, and real estate and in construction. Manufacturing employment was 2,900 higher over the year due to expansion in fabricated metal products, nonelectrical machinery, and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

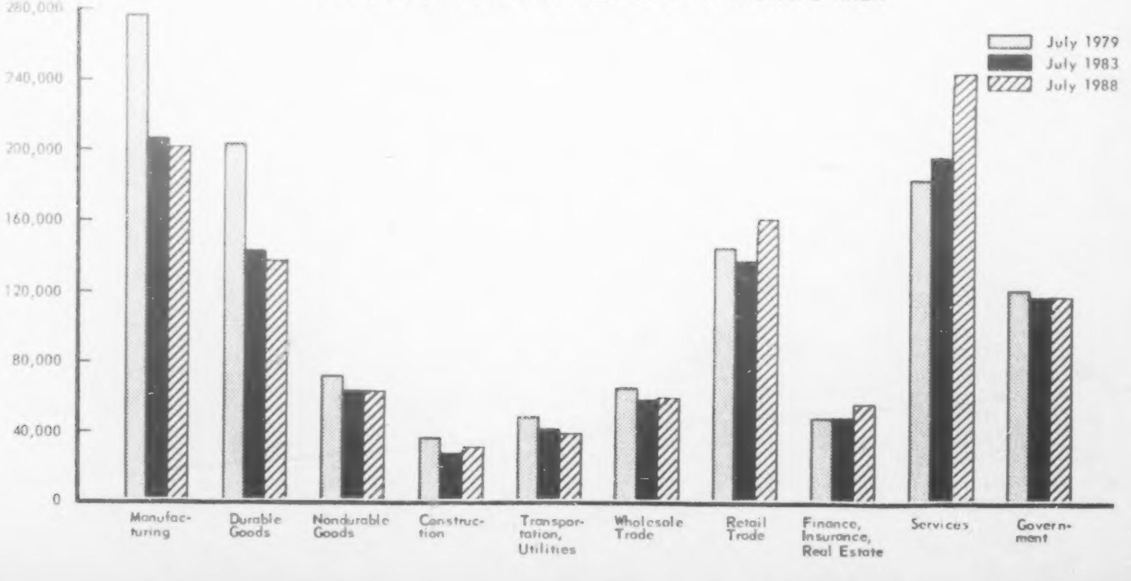


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
937.7	884.3	53.4	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
INA	INA	INA	INA	July	921.1	202.6	130.1	498.74	42.7	11.68

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	921.1	918.5	900.7	2.6	20.4
MANUFACTURING	202.6	203.9	199.7	-1.2	2.9
Durable Goods[e]	137.6	138.3	135.1	-.7	2.4
Primary metal industries	20.8	21.0	20.7	-.2	.0
Iron and steel foundries	5.1	5.1	5.2	.0	-.1
Fabricated metal products	33.1	33.4	32.1	-.3	1.0
Fabricated structural metal products	4.2	4.3	4.2	.0	.1
Screw machine products, bolts, etc.	4.8	4.8	4.7	.0	.1
Metal forgings and stampings	11.6	11.7	11.0	-.1	.6
Machinery, except electrical	29.7	29.4	28.8	.3	.9
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	9.7	9.7	9.6	.0	.1
Special industry machinery	2.7	2.6	2.8	.1	.0
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	17.7[j]	18.4	17.5	-.7	.3
Electrical industrial apparatus	5.9	6.5	5.9	-.6	-.1
Transportation equipment	18.8	18.8	18.8	.0	.0
Motor vehicles and equipment	11.8	11.8	11.5	.0	.3
Instruments and related products	6.3	6.3	6.5	.0	-.2
Measuring and controlling devices	4.0	4.0	4.3	.0	-.2
Nondurable Goods[f]	65.0	65.5	64.6	-.5	.5
Food and kindred products	6.5	6.9	6.9	-.4	-.4
Apparel and other textile products	4.0	4.1	3.9	-.1	.1
Paper and allied products	5.6	5.6	5.5	.1	.1
Printing and publishing	16.2	16.1	16.4	.1	-.2
Chemicals and allied products	15.4	15.4	14.9	.0	.5
Rubber and misc. plastics products	12.2	12.4	11.9	-.2	.3
NONMANUFACTURING[g]	718.5	714.6	701.0	3.9	17.5
CONSTRUCTION	32.0	30.9	30.9	1.1	1.1
TRANSPORTATION AND PUBLIC UTILITIES	41.2	41.2	41.5	.0	-.3
Trucking and warehousing	12.3	12.2	12.1	.1	.2
Communication, electric, gas services	17.6	17.5	18.0	.1	-.4
WHOLESALE TRADE	61.4	61.2	61.0	.2	.4
Wholesale trade-durable goods	42.0	41.9	42.1	.1	-.1
RETAIL TRADE	161.3	160.9	155.2	.3	6.0
General merchandise stores	20.9	20.9	20.3	.0	.6
FINANCE, INSURANCE, AND REAL ESTATE	57.5	56.8	55.2	.6	2.3
Banking	13.7	13.4	13.6	.3	.1
Credit agencies other than banks	8.9	8.8	8.7	.1	.1
Insurance carriers	14.4	14.2	13.8	.2	.6
SERVICES	245.5	244.8	236.0	.7	9.5
Business services	57.0	56.2	54.0	.8	2.9
Amusement and recreation services	10.2	9.6	10.2	.6	.0
Health services	77.1	76.3	75.5	.8	1.5
Hospitals	43.0	42.6	42.9	.4	.2
GOVERNMENT	118.8	118.0	120.2	.8	-1.4
Federal government	20.6	20.8	20.4	-.2	.1
State government	8.2	8.6	8.2	-.4	.0
State government education[i]	2.9	3.3	2.8	-.4	.0
State government, except education	5.3	5.3	5.3	.0	.0
Local government	90.1	88.7	91.6	1.4	-1.5
Local government education	42.9	44.0	42.9	-1.1	.0
Local government, except education	47.2	44.7	48.8	2.6	-1.5

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

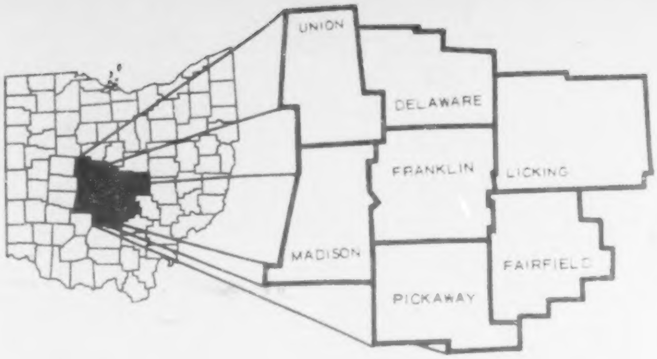
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$498.74	$518.28	$476.52	42.7	43.7	41.8	$11.68	$11.86	$11.40
Durable Goods[e]	532.44	560.35	504.29	43.5	44.9	42.2	12.24	12.48	11.95
Primary metal industries	568.75	607.85	570.70	45.5	47.6	43.9	12.50	12.77	13.00
Iron and steel foundries	732.59	897.39	688.97	43.4	50.7	42.9	16.88	17.70	16.06
Fabricated metal products	524.30	569.70	474.29	42.8	45.0	41.1	12.25	12.66	11.54
Fabricated structural metal products	392.18	400.08	378.68	40.1	40.7	40.2	9.78	9.83	9.42
Screw machine products, bolts, etc.	517.70	562.12	439.95	44.9	47.0	41.9	11.53	11.96	10.50
Metal forgings and stampings	660.38	744.96	567.88	44.5	48.5	41.3	14.84	15.36	13.75
Machinery, except electrical	491.84	508.46	493.06	42.4	43.2	42.8	11.60	11.77	11.52
Construction and related machinery	403.55	404.90	386.32	44.2	44.3	43.8	9.13	9.14	8.82
Metalworking machinery	442.74	439.93	421.25	41.3	41.0	40.7	10.72	10.73	10.35
Special industry machinery	452.28	474.50	454.73	39.5	40.8	37.8	11.45	11.63	12.03
General industrial machinery	503.55	487.49	494.62	44.8	43.8	44.4	11.24	11.13	11.14
Electric and electronic equipment	457.60	460.40	432.42	41.6	42.2	40.3	11.00	10.91	10.73
Electrical industrial apparatus	535.81	525.83	461.45	44.8	44.6	40.8	11.96	11.79	11.31
Transportation equipment	719.82	767.39	649.88	46.5	48.6	44.0	15.48	15.79	14.77
Motor vehicles and equipment	791.27	851.62	679.97	46.3	49.0	43.2	17.09	17.38	15.74
Instruments and related products	435.93	413.53	382.04	43.9	42.5	40.3	9.93	9.73	9.48
Measuring and controlling devices	466.91	431.81	393.81	43.8	41.6	39.9	10.66	10.38	9.87
Nondurable Goods[f]	417.18	416.98	411.26	40.7	40.8	40.8	10.25	10.22	10.08
Food and kindred products	417.78	388.40	378.00	42.2	40.0	43.2	9.90	9.71	8.75
Apparel and other textile products	331.23	324.23	310.70	40.1	39.3	38.5	8.26	8.25	8.07
Paper and allied products	467.29	448.04	474.22	41.5	40.4	42.8	11.26	11.09	11.08
Printing and publishing	379.14	396.38	413.00	35.6	36.6	38.1	10.65	10.83	10.84
Chemicals and allied products	505.99	506.78	490.62	43.1	43.5	42.7	11.74	11.65	11.49
Rubber and misc. plastics products	384.81	393.32	371.87	42.9	43.8	41.0	8.97	8.98	9.07
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	592.87	576.32	597.70	41.2	40.5	42.3	14.39	14.23	14.13
WHOLESALE TRADE	419.25	420.51	405.78	39.0	38.9	39.9	10.75	10.81	10.17
RETAIL TRADE[h]	191.61	186.78	189.28	28.9	28.3	29.3	6.63	6.60	6.46
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	308.47	306.99	296.83	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	341.65	340.02	347.52	31.9	31.6	32.6	10.71	10.76	10.66

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	4,484	4,637	7,277
Active File of Job Seekers	56,512	58,594	61,401
Referrals to Jobs	2,344	2,322	2,590
Placements	926	472	702
Job Openings Received	1,682	1,699	1,547
Job Openings Unfilled	4,256	4,200	2,251
Unemployment Insurance Program			
Initial Claims	6,557	5,750	9,630
Continued Claims	50,211	57,584	64,970
First Payments	2,659	2,415	3,425
Last Payments	1,186	1,030	1,202
Weeks Compensated	40,385	47,302	50,624
Benefits Paid	$6,056,452	$7,225,147	$7,222,711
Average Weekly Payment	$152.76	$155.36	$145.02

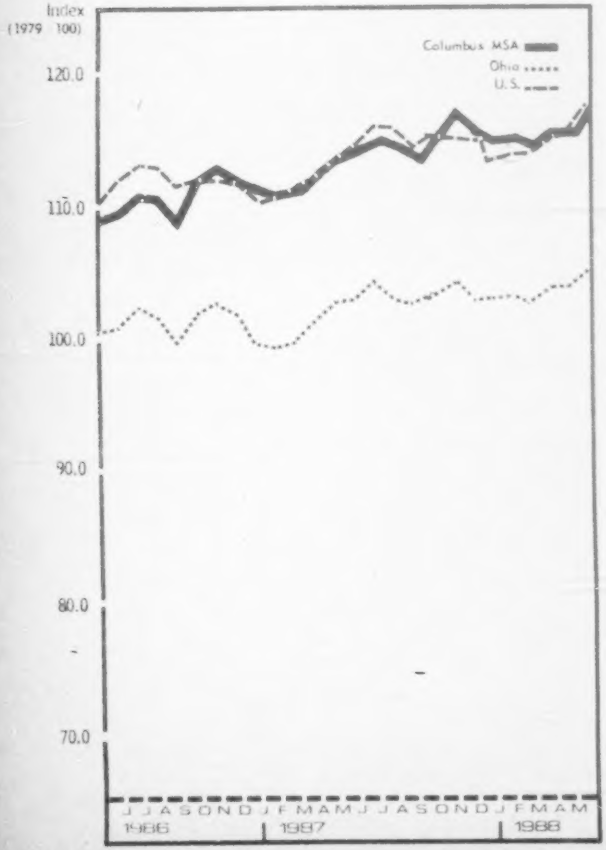
COLUMBUS
METROPOLITAN STATISTICAL AREA



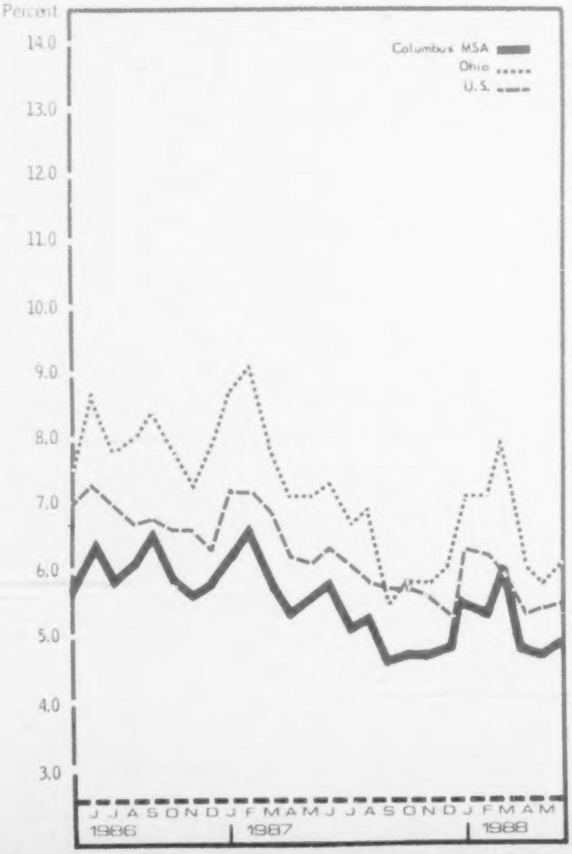
Nonagricultural wage and salary employment in the Columbus metropolitan area dropped 6,900 from the June level, to 678,100 in July 1988. Seasonal reductions in nonteaching personnel in state and local schools and colleges (-9,900) overshadowed moderate gains in construction (+1,200) and finance, insurance, and real estate (+800). Manufacturing employment declined 400 over the month with scattered losses in durable-goods industries, especially stone, clay, and glass products. Production worker average hourly earnings, $11.56 per hour, were slightly lower in July. Their average workweek was .1 hours shorter, at 41.4 hours.

Total nonfarm payroll employment rose 25,200 between July 1987 and July 1988. Expansion in the nonmanufacturing sector netted 98.8 percent of the gain. Primary growth industries were services and retail trade. Marked improvements also occurred in construction, finance, insurance, and real estate, and government. The manufacturing labor force increased 300 over the year, to 102,800. Scattered gains in nondurable and durable goods outweighed reductions in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



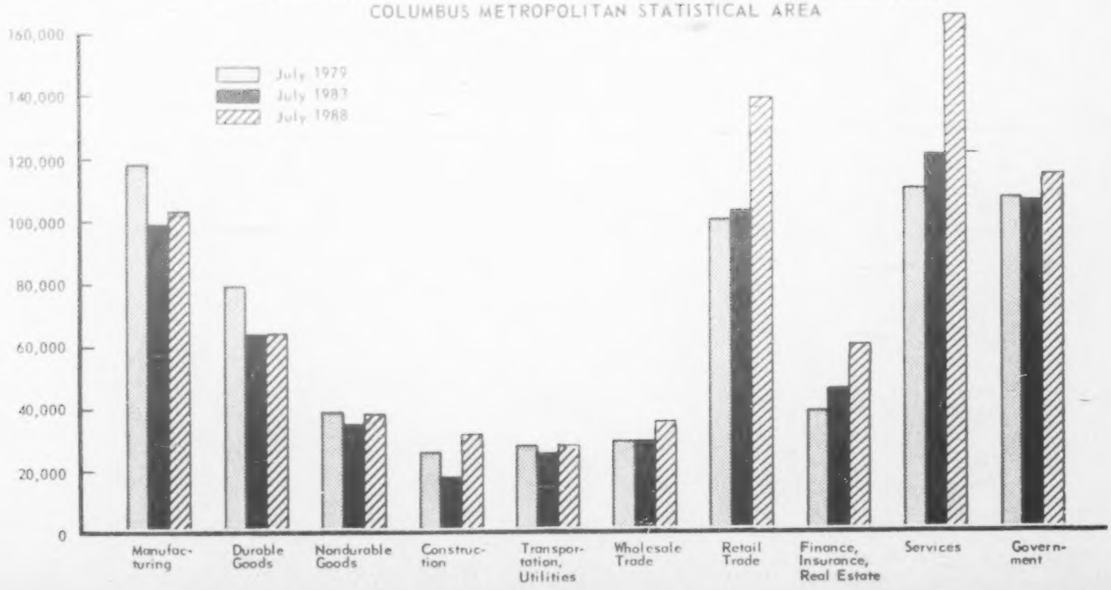
COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5	11.40
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
712.2	677.3	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5	11.57
INA	INA	INA	INA	July	678.1	102.8	66.9	478.58	41.4	11.56

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	678.1	685.0	652.9	-6.9	25.2
MANUFACTURING	102.8	103.2	102.5	-.4	.3
Durable Goods[e]	64.4	64.7	65.2	-.3	-.8
Stone, clay, and glass products	9.8	10.0	10.0	-.3	-.2
Glass and glassware, pressed or blown	3.5	3.8	3.5	-.3	.1
Fabricated metal products	9.4	9.4	9.2	.0	.2
Fabricated structural metal products	2.8	2.7	2.9	.1	-.1
Machinery, except electrical	9.1	9.2	9.0	-.1	.0
Electric and electronic equipment	11.0	11.0	10.9	.0	.1
Transportation equipment	13.2	13.1	14.4	.0	-1.2
Instruments and related products	4.1	4.1	4.0	-.1	.1
Nondurable Goods[f]	38.4	38.5	37.3	.0	1.1
Food and kindred products	10.6	10.6	10.4	.0	.2
Printing and publishing	10.4	10.4	10.1	.0	.3
Chemicals and allied products	6.9	6.8	7.0	.1	.0
Rubber and misc. plastics products	5.7	5.8	5.1	-.1	.6
NONMANUFACTURING[g]	575.3	581.8	550.4	-6.5	24.9
CONSTRUCTION	31.7	30.4	29.3	1.2	2.4
TRANSPORTATION AND PUBLIC UTILITIES	28.7	28.5	27.9	.2	.8
Trucking and warehousing	12.0	11.8	11.6	.1	.4
Communication, electric, gas services	11.8	11.7	11.7	.1	.1
WHOLESALE TRADE	35.6	35.4	34.1	.2	1.5
Wholesale trade-durable goods	23.0	22.9	22.1	.1	.9
RETAIL TRADE	139.0	138.7	132.3	.3	6.7
General merchandise stores	22.4	22.5	21.2	-.1	1.3
FINANCE, INSURANCE, AND REAL ESTATE	60.1	59.3	57.8	.8	2.2
Banking	12.2	12.0	11.7	.2	.5
Insurance carriers	23.4	23.3	22.8	.2	.6
SERVICES	164.9	164.4	155.9	.5	9.0
Business services	38.2	37.6	35.1	.6	3.1
Health services	41.4	41.2	40.0	.3	1.4
Hospitals	18.3	18.1	17.8	.2	.5
GOVERNMENT	114.4	124.1	112.2	-9.7	2.2
Federal government	15.0	15.1	15.9	-.1	-.8
State government	50.2	56.2	48.8	-6.0	1.5
State government education[1]	18.6	24.5	18.1	-5.9	.5
State government, except education	31.6	31.6	30.7	-.1	.9
Local government	49.1	52.8	47.6	-3.7	1.6
Local government education	27.8	31.8	26.3	-4.0	1.5
Local government, except education	21.3	21.0	21.2	.4	.1

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

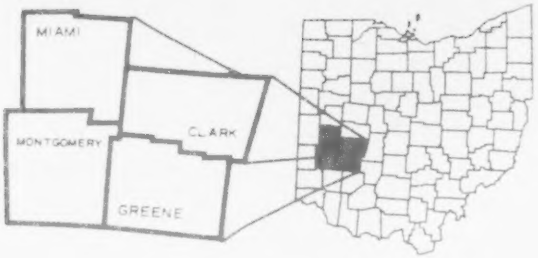
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$478.58	$480.16	$474.12	41.4	41.5	41.3	$11.56	$11.57	$11.48
Durable Goods[e]	487.69	490.05	486.04	41.4	41.6	41.4	11.78	11.78	11.74
Stone, clay, and glass products	481.14	485.03	485.07	40.5	41.0	40.9	11.88	11.83	11.86
Glass and glassware, pressed or blown	439.88	425.02	438.98	39.7	39.1	39.3	11.08	10.87	11.17
Fabricated metal products	500.53	529.61	504.30	40.3	41.8	41.0	12.42	12.67	12.30
Fabricated structural metal products	453.87	453.02	473.76	41.0	41.6	42.3	11.07	10.89	11.20
Machinery, except electrical	472.38	430.54	451.68	43.1	40.2	41.9	10.96	10.71	10.78
Electric and electronic equipment	458.38	460.53	450.40	41.0	40.9	40.0	11.18	11.26	11.26
Transportation equipment	561.56	584.05	588.12	41.2	42.6	43.5	13.63	13.71	13.52
Instruments and related products	404.68	411.93	438.27	38.8	39.8	41.9	10.43	10.35	10.46
Nondurable Goods[f]	460.78	458.97	450.87	41.4	41.2	41.1	11.13	11.14	10.97
Food and kindred products	451.68	447.37	471.16	41.9	41.5	42.6	10.78	10.78	11.06
Printing and publishing	542.70	541.75	514.56	39.7	39.4	39.4	13.67	13.75	13.06
Chemicals and allied products	534.47	535.19	507.73	41.4	41.2	40.2	12.91	12.99	12.63
Rubber and misc. plastics products	362.88	365.91	340.31	42.0	42.4	41.1	8.64	8.63	8.28
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	603.96	586.05	580.18	42.0	41.3	41.8	14.38	14.19	13.88
WHOLESALE TRADE	348.35	342.62	350.35	37.7	37.0	38.5	9.24	9.26	9.10
RETAIL TRADE[h]	183.23	181.10	175.03	28.9	28.7	28.6	6.34	6.31	6.12
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	263.25	267.99	259.28	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	349.46	337.55	329.35	34.6	34.2	34.2	10.10	9.87	9.63

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	5,866	4,339	5,370
Active File of Job Seekers	28,916	29,587	30,812
Referrals to Jobs	2,710	2,976	2,706
Placements	614	825	1,213
Job Openings Received	1,411	1,310	2,362
Job Openings Unfilled	2,444	2,377	4,264
Unemployment Insurance Program			
Initial Claims	4,227	3,324	6,317
Continued Claims	29,153	31,384	41,159
First Payments	1,962	2,063	2,149
Last Payments	602	757	752
Weeks Compensated	23,857	28,421	35,144
Benefits Paid	$3,558,339	$4,361,842	$5,337,421
Average Weekly Payment	$151.99	$156.96	$155.08

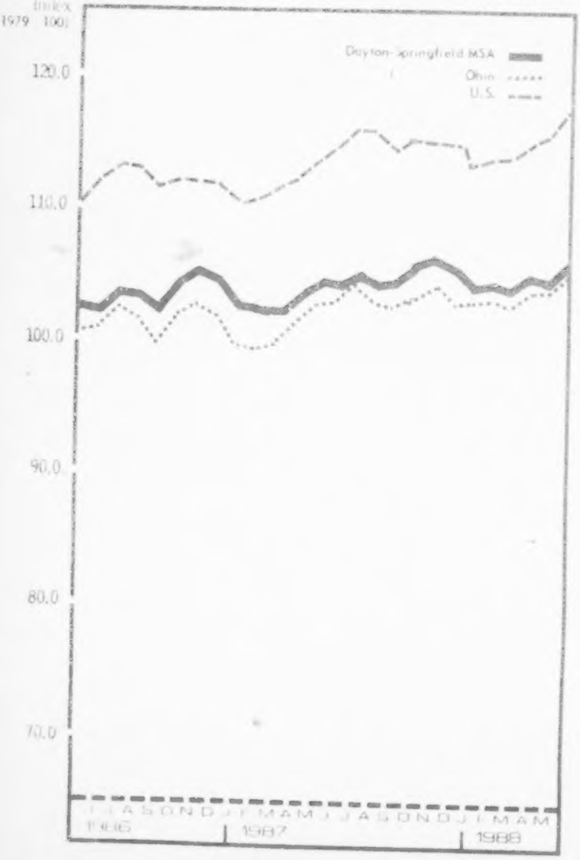
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



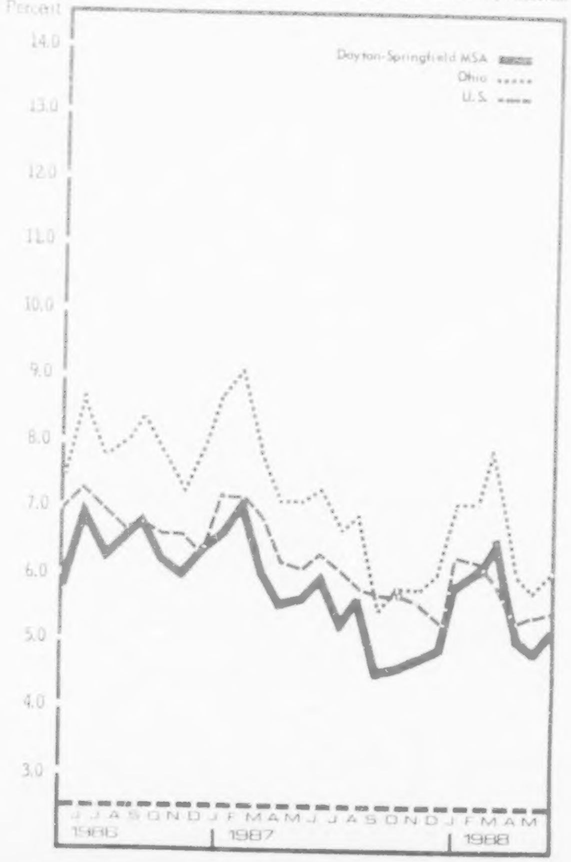
In the Dayton-Springfield metropolitan area, total nonfarm payroll employment declined 5,700 from the June level, to 433,300 in July 1988. The loss was concentrated in the nonmanufacturing sector. Seasonal layoffs in nonteaching personnel in state and local schools and colleges (-6,600) negated a moderate increase in construction. Manufacturing employment added 100 jobs in July as gains in nonelectrical machinery and food and kindred products more than offset a reduction in electric and electronic equipment. Factory production workers earned an average of $12.54 per hour, down $.17 from last month. Their average workweek, 42.9 hours, was 1.1 hours shorter.

Nonagricultural wage and salary employment advanced 9,500 between July 1987 and July 1988. Primary growth sectors were services, retail trade, and construction. Local government education declined 1,000 during the period. Manufacturing employment was unchanged from a year ago, at 103,600. Improvement in nonelectrical machinery offset reductions in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

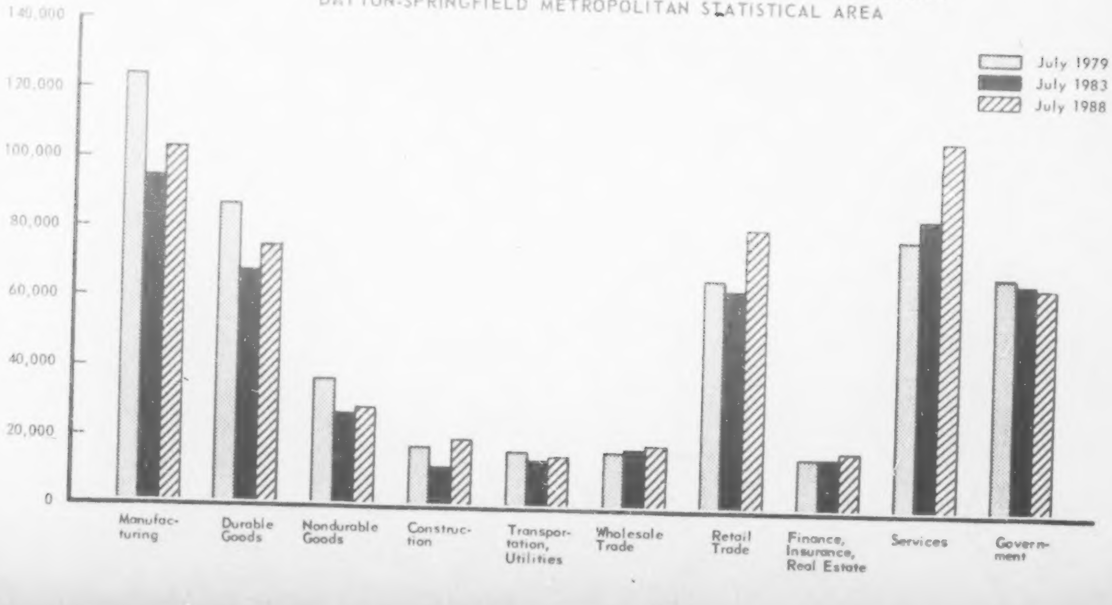


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.7	443.4	24.3	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
INA	INA	INA	INA	July	433.3	103.6	66.3	537.97	42.9	12.54

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	433.3	439.0	423.8	-5.7	9.5
MANUFACTURING	103.6	103.5	103.6	.1	.0
Durable Goods[e]	74.9	74.9	74.8	.0	.1
Fabricated metal products	8.4	8.4	8.4	.0	.0
Machinery, except electrical	31.0	30.8	30.4	.2	.7
Metalworking machinery	6.6	6.6	6.4	.0	.2
General industrial machinery	2.8	2.8	2.6	.0	.2
Electric and electronic equipment	5.6	5.8	5.9	-.2	-.3
Electrical industrial apparatus	3.4	3.5	3.6	-.1	-.2
Transportation equipment	20.2	20.2	20.9	.0	-.6
Nondurable Goods[f]	28.7	28.6	28.8	.0	-.1
Food and kindred products	2.8	2.6	2.8	.1	.0
Paper and allied products	6.1	6.0	5.9	.0	.2
Printing and publishing	8.7	8.7	8.5	.0	.2
Rubber and misc. plastics products	7.7	7.7	8.0	.0	-.3
NONMANUFACTURING[g]	329.7	335.5	320.2	-5.8	9.5
CONSTRUCTION	19.8	18.9	17.7	.9	2.1
TRANSPORTATION AND PUBLIC UTILITIES	15.8	15.8	15.6	.1	.2
Communication, electric, gas services	5.3	5.4	5.5	.0	-.2
WHOLESALE TRADE	19.3	19.1	18.5	.2	.7
Wholesale trade-durable goods	12.7	12.6	12.3	.1	.4
RETAIL TRADE	81.9	81.8	78.3	.1	3.5
General merchandise stores	12.0	12.0	11.7	.0	.3
FINANCE, INSURANCE, AND REAL ESTATE	18.5	18.4	18.2	.0	.2
Banking	4.3	4.2	4.3	.0	-.1
Credit agencies other than banks	4.8	4.9	4.7	-.1	.1
Insurance carriers	2.8	2.8	3.0	.0	-.2
SERVICES	107.9	108.6	103.9	-.7	4.0
Business services	27.5	27.4	26.1	.1	1.4
Health services	36.5	36.3	36.0	.2	.5
Hospitals	18.6	18.5	18.8	.1	-.1
Educational services	5.5	6.5	5.3	-.9	.3
GOVERNMENT	66.1	72.5	67.4	-6.4	-1.3
Federal government	27.9	27.9	28.4	.0	-.5
State government	6.6	7.6	6.5	-1.0	.1
State government education[i]	3.6	4.6	3.5	-1.0	.1
State government, except education	3.0	3.0	3.0	.0	.0
Local government	31.7	37.1	32.5	-5.4	-.8
Local government education	16.3	21.8	17.2	-5.6	-1.0
Local government, except education	15.4	15.3	15.3	.2	.1

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$537.97	$559.24	$492.19	42.9	44.0	41.5	$12.54	$12.71	$11.86
Durable Goods[e]	549.07	569.70	502.11	43.2	44.3	41.6	12.71	12.86	12.07
Fabricated metal products	386.68	398.27	371.60	41.4	42.1	40.0	9.34	9.46	9.29
Machinery, except electrical	586.04	608.85	548.70	43.8	45.1	42.7	13.38	13.50	12.85
Metalworking machinery	547.98	564.10	532.84	45.4	46.2	44.0	12.07	12.21	12.11
General industrial machinery	450.71	452.62	456.22	42.4	42.7	42.4	10.63	10.60	10.76
Electric and electronic equipment	437.74	451.00	410.28	43.6	44.0	43.6	10.04	10.25	9.41
Electrical industrial apparatus	527.29	541.70	456.28	45.3	46.9	44.0	11.64	11.55	10.37
Transportation equipment	684.20	716.87	584.86	44.0	45.4	40.7	15.55	15.79	14.37
Nondurable Goods[f]	505.20	528.84	460.43	42.1	43.1	41.0	12.00	12.27	11.23
Food and kindred products	346.45	338.96	362.23	41.0	40.4	43.8	8.45	8.39	8.27
Paper and allied products	500.86	540.76	492.94	44.6	46.9	45.6	11.23	11.53	10.81
Printing and publishing	450.47	456.27	410.67	39.9	40.2	37.3	11.29	11.35	11.01
Rubber and misc. plastics products	645.63	696.00	554.13	41.6	43.5	39.3	15.52	16.00	14.10
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	552.02	537.74	552.90	40.8	40.1	41.2	13.53	13.41	13.42
WHOLESALE TRADE	402.59	411.46	429.00	39.9	40.3	42.1	10.09	10.21	10.19
RETAIL TRADE[h]	164.74	163.02	160.18	28.7	28.5	28.4	5.74	5.72	5.64
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	364.91	367.05	364.23	34.2	34.4	34.2	10.67	10.67	10.65

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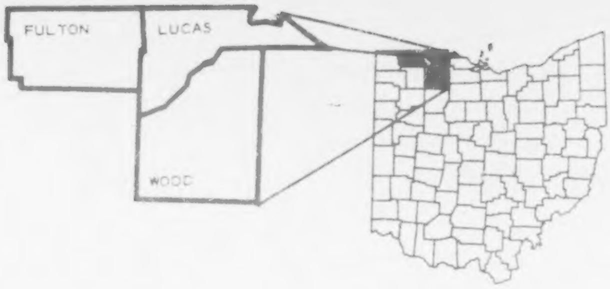
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	2,386	2,336	2,758
Active File of Job Seekers	15,284	16,724	21,782
Referrals to Jobs	2,118	1,576	4,027
Placements	1,281	328	3,015
Job Openings Received[j]	1,774	1,263	3,656
Job Openings Unfilled	1,944	1,762	1,585
Unemployment Insurance Program			
Initial Claims	4,140	2,557	4,072
Continued Claims	20,268	20,240	27,342
First Payments	1,296	1,067	1,705
Last Payments	373	440	562
Weeks Compensated	16,098	17,632	23,225
Benefits Paid	$2,229,036	$2,500,589	$3,156,631
Average Weekly Payment	$140.91	$144.82	$138.84

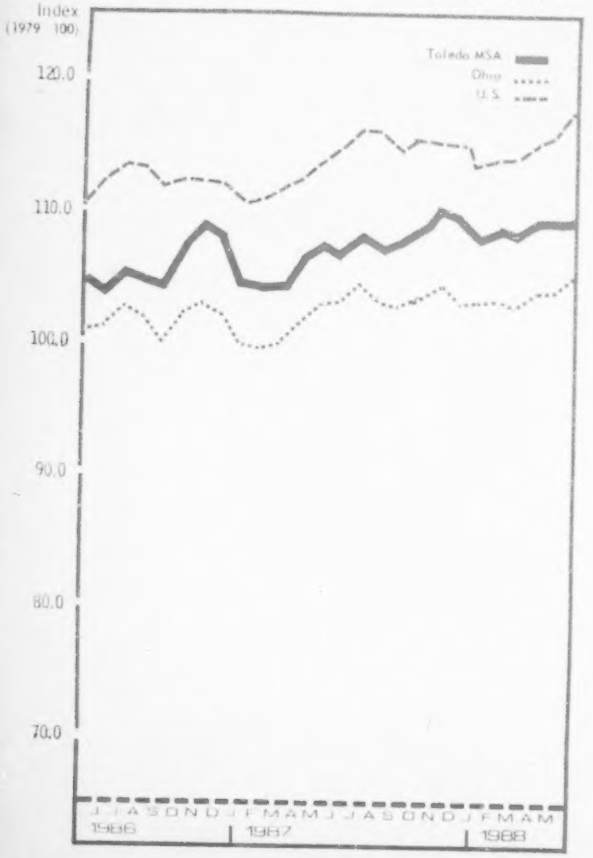
TOLEDO
METROPOLITAN STATISTICAL AREA



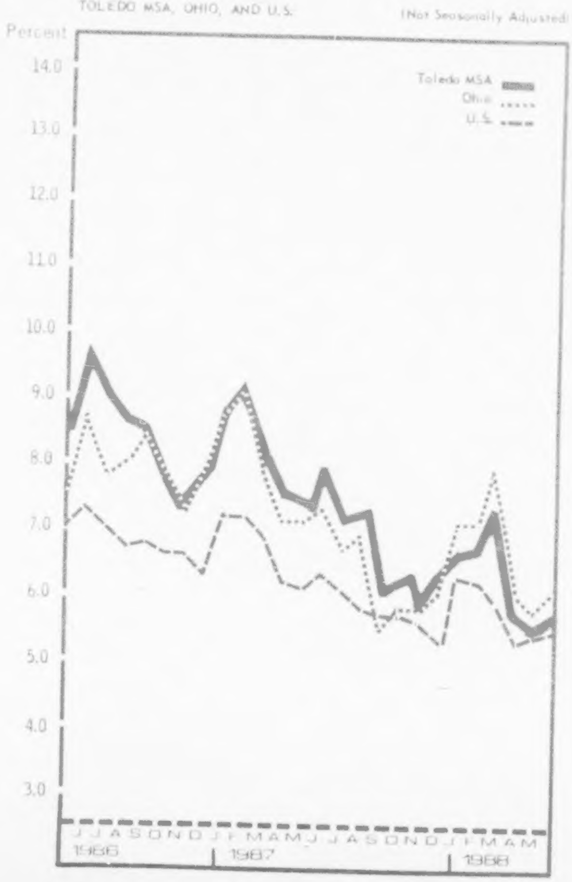
Nonagricultural wage and salary employment in the Toledo metropolitan area decreased 1,800 from June, to 288,900 in July 1988. The nonmanufacturing sector netted 88.9 percent of the loss. Moderate improvement in construction was negated by seasonal losses in nonteaching personnel in state and local schools and colleges. The manufacturing labor force lost 200 workers in July due to scattered reductions in durable-goods industries. Factory production worker average hourly earnings dropped $.24, to $12.93 per hour. Their average workweek, 42.2 hours, was 1.2 hours shorter than last month.

Between July 1987 and July 1988, total nonfarm payroll employment rose 11,800. Significant expansion occurred in services (+4,300), retail trade (+3,000), and construction (+2,000). Manufacturing employment advanced 1,800 over the year. Primary growth sectors were stone, clay, and glass products, rubber and miscellaneous plastics products, and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

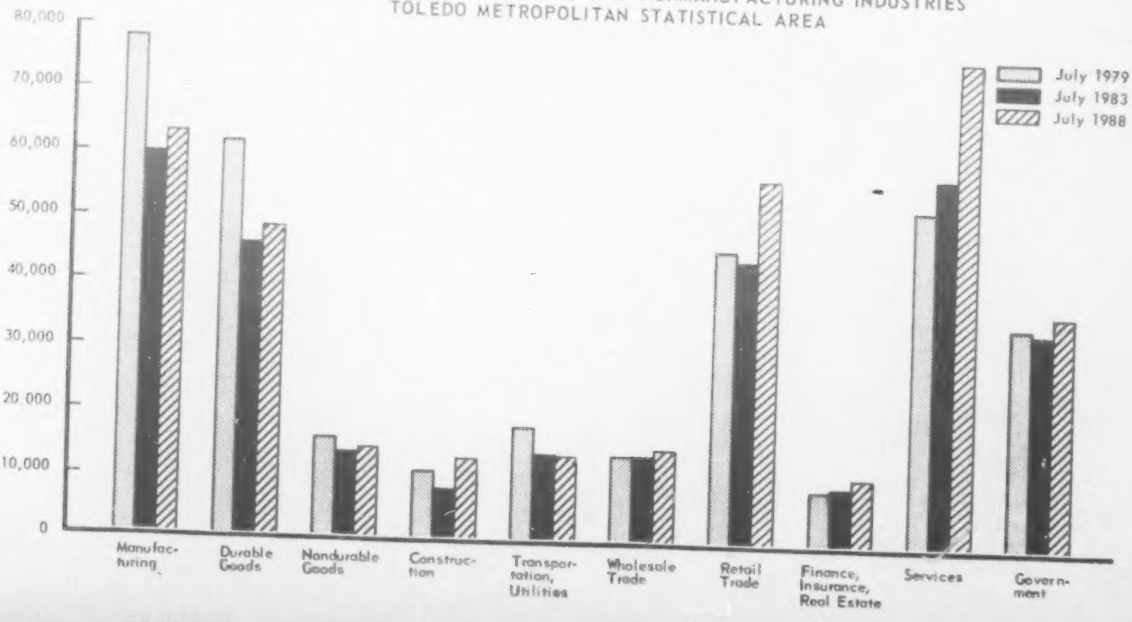


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
311.0	293.5	17.6	5.7	June	290.7	63.6	45.6	571.58	43.4	13.17
INA	INA	INA	INA	July	288.9	63.4	45.4	545.65	42.2	12.93

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment^{a}

Toledo MSA

	Employment (in thousands)			Change^{d} (in thousands)	
	July 1988^{b}	June 1988^{c}	July 1987^{c}	From Last Month	From Last Year
TOTAL	288.9	290.7	277.2	- 1.8	11.8
MANUFACTURING	63.4	63.6	61.6	- .2	1.8
Durable Goods^{e}	48.8	49.1	47.3	- .3	1.5
Stone, clay, and glass products	8.4	8.4	7.9	.0	.5
Primary metal industries	3.4	3.5	3.2	.0	.5
Fabricated metal products	8.0	8.0	7.6	- .1	.2
Metal forgings and stampings	3.5	3.5	3.4	- .1	.4
Machinery, except electrical	6.2	6.2	5.9	.0	.1
Electric and electronic equipment	2.1	2.2	2.5	.0	.3
Transportation equipment	15.8	15.8	15.9	- .1	- .4
Motor vehicles and equipment	14.8	14.7	15.0	.0	- .1
Nondurable Goods^{f}	14.6	14.5	14.3	.1	.3
Food and kindred products	3.9	3.8	3.8	.1	.0
Rubber and misc. plastics products	3.3	3.2	2.9	.1	.5
NONMANUFACTURING^{g}	225.5	227.1	215.6	- 1.6	9.9
CONSTRUCTION	13.3	12.7	11.3	.6	2.0
TRANSPORTATION AND PUBLIC UTILITIES	14.0	13.8	13.9	.1	.0
Trucking and warehousing	5.5	5.4	5.4	.1	.1
Communication, electric, gas services	5.1	5.1	5.0	.0	.1
WHOLESALE TRADE	15.4	15.4	15.0	.0	.4
Wholesale trade-durable goods	10.1	10.0	10.0	.1	.1
RETAIL TRADE	57.3	57.4	54.3	- .1	3.0
General merchandise stores	7.4	7.4	7.4	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	11.3	11.3	11.5	.0	- .2
Banking	3.6	3.6	3.6	.0	.0
SERVICES	76.3	76.2	72.0	.1	4.3
Business services	16.4	16.0	15.0	.4	1.3
Health services	27.8	27.6	27.1	.2	.6
Hospitals	15.4	15.3	15.4	.1	.0
GOVERNMENT	37.6	40.0	37.4	- 2.4	.2
State government	12.6	13.1	12.3	- .5	.3
State government education^{i}	8.4	8.9	8.2	- .5	.2
State government, except education	4.1	4.2	4.1	.0	.0
Local government	22.5	24.3	22.4	- 1.8	.0
Local government education	11.5	13.4	11.4	- 1.9	.1
Local government, except education	10.9	10.9	11.0	.1	- .1

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

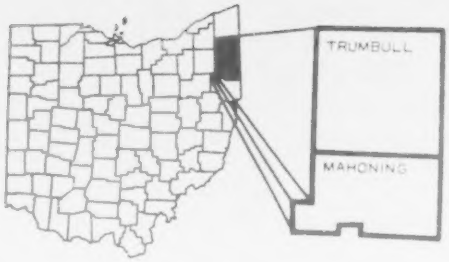
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$545.65	$571.58	$523.27	42.2	43.4	41.3	$12.93	$13.17	$12.67
Durable Goods[e]	565.48	598.75	542.75	42.2	43.8	41.4	13.40	13.67	13.11
Stone, clay, and glass products	507.67	494.86	505.93	40.1	39.4	40.9	12.66	12.56	12.37
Primary metal industries	459.41	520.98	456.92	41.5	45.5	41.5	11.07	11.45	11.01
Fabricated metal products	502.66	547.71	515.85	41.0	43.4	41.5	12.26	12.62	12.43
Metal forgings and stampings	599.24	694.93	615.90	41.1	45.9	43.1	14.58	15.14	14.29
Machinery, except electrical	502.38	508.13	487.41	41.9	42.7	42.2	11.99	11.90	11.55
Electric and electronic equipment	473.88	471.17	515.01	41.1	40.9	41.6	11.53	11.52	12.38
Transportation equipment	714.17	784.56	641.18	43.6	46.7	41.5	16.38	16.80	15.45
Motor vehicles and equipment	720.71	795.42	641.39	43.6	46.9	41.3	16.53	16.96	15.53
Nondurable Goods[f]	472.92	474.47	459.79	42.0	42.1	41.2	11.26	11.27	11.16
Food and kindred products	555.99	548.27	568.32	43.1	42.7	44.4	12.90	12.84	12.80
Rubber and misc. plastics products	349.84	359.97	316.29	42.2	42.6	39.0	8.29	8.45	8.11
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	619.70	601.13	622.87	42.3	41.4	42.2	14.65	14.52	14.76
WHOLESALE TRADE	381.79	377.71	357.78	38.8	38.7	37.9	9.84	9.76	9.44
RETAIL TRADE[h]	161.21	160.15	162.21	29.1	28.7	29.6	5.54	5.58	5.48

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	2,388	2,447	2,442
Active File of Job Seekers	17,469	18,549	18,035
Referrals to Jobs	1,523	1,814	2,663
Placements	576	341	754
Job Openings Received	906	826	1,379
Job Openings Unfilled	1,299	1,266	1,859
Unemployment Insurance Program			
Initial Claims	3,506	2,396	4,789
Continued Claims	16,476	16,969	28,063
First Payments	1,220	1,135	1,468
Last Payments	271	330	497
Weeks Compensated	13,292	14,572	21,451
Benefits Paid	$1,882,320	$2,132,368	$3,026,681
Average Weekly Payment	$145.15	$149.97	$144.12

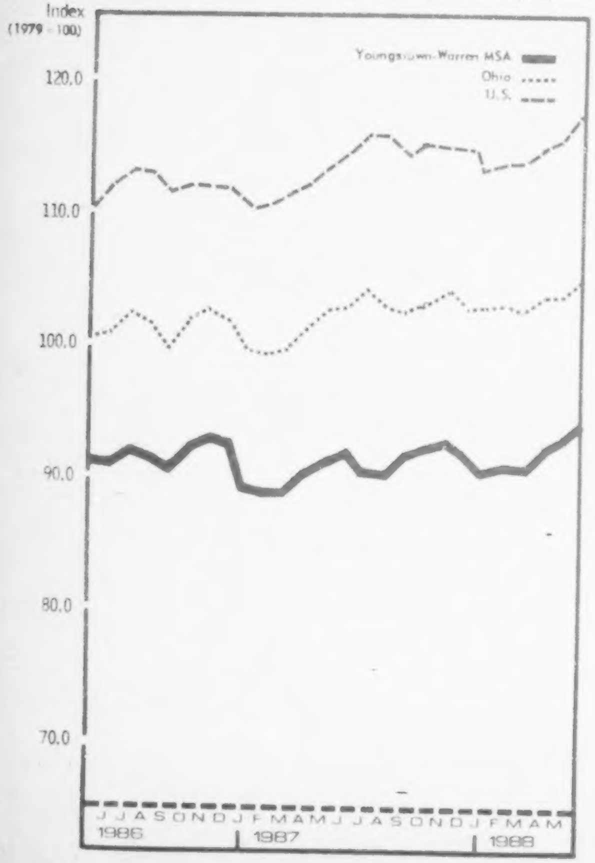
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



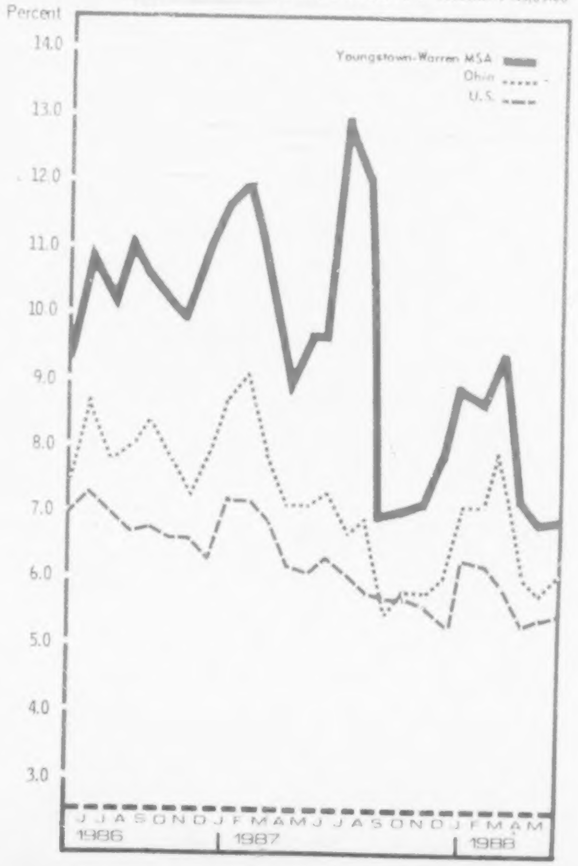
Total nonfarm payroll employment in the Youngstown-Warren metropolitan area was 3,800 below the June level, at 193,600 in July 1988. Reductions in primary metal industries and fabricated metal products helped lower manufacturing employment 2,100 over the month. The nonmanufacturing workforce declined 1,700 due to seasonal layoffs of nonteaching personnel in state and local schools and colleges. Factory production workers earned an average of $13.48 per hour, down $.12 from June. Their average workweek, 42.2 hours, was .6 hours shorter.

Nonagricultural wage and salary employment advanced 10,200 between July 1987 and July 1988. The nonmanufacturing sector contributed 53.9 percent of the improvement. Significant growth occurred in retail trade, services, and construction. Manufacturing employment increased 4,700. Model changeovers significantly reduced employment in transportation equipment last year.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

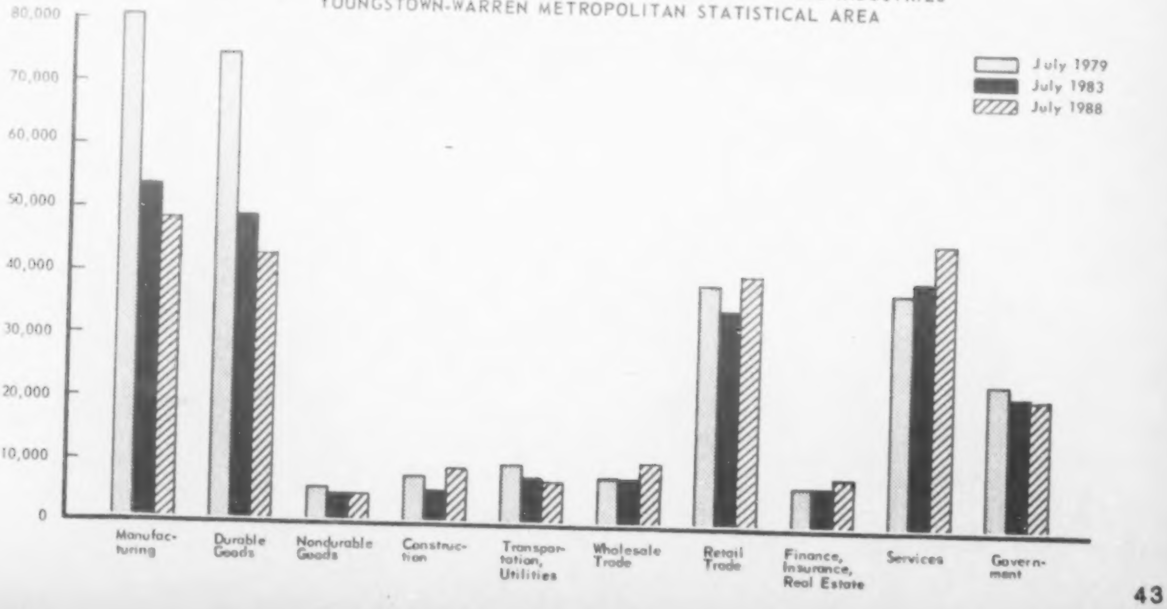


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.0	207.5	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
INA	INA	INA	INA	July	193.6	48.5	36.5	568.86	42.2	13.48

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	193.6	197.5	183.4	-3.8	10.2
MANUFACTURING	48.5	50.6	43.8	-2.1	4.7
Durable Goods[e]	43.2	45.3	38.5	-2.2	4.6
Primary metal industries	17.8	19.2	17.4	-1.4	.4
Blast furnace and basic steel products	5.6	5.6	5.6	-.1	-.1
Fabricated metal products	7.2	7.7	7.3	-.5	-.1
Machinery, except electrical	3.8	3.8	3.8	.0	.0
Electric and electronic equipment	2.1	2.2	2.3	.0	-.1
Transportation equipment	9.1	9.3	4.6	-.2	4.5
Nondurable Goods[f]	5.3	5.3	5.2	.1	.1
NONMANUFACTURING[g]	145.1	146.8	139.6	-1.7	5.5
CONSTRUCTION	9.2	8.9	8.3	.3	.9
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.7	7.5	-.1	.1
Communication, electric, gas services	3.0	3.0	3.0	.0	-.1
WHOLESALE TRADE	10.5	10.4	9.8	.1	.7
Wholesale trade-durable goods	6.4	6.4	6.3	.0	.1
RETAIL TRADE	40.8	40.9	38.8	-.1	2.0
General merchandise stores	5.2	5.1	5.4	.1	-.2
FINANCE, INSURANCE, AND REAL ESTATE	8.6	8.5	8.3	.1	.2
Banking	2.9	2.9	2.9	.0	.0
SERVICES	46.0	45.8	44.7	.2	1.2
Health services	20.0	19.8	19.6	.1	.4
Hospitals	10.3	10.2	10.2	.0	.1
GOVERNMENT	21.8	24.1	21.4	-2.3	.4
State government	3.6	4.4	3.6	-.8	.1
State government education[i]	2.1	2.9	2.0	-.8	.1
State government, except education	1.6	1.5	1.6	.0	.0
Local government	16.0	17.5	15.8	-1.5	.2
Local government education	9.4	11.0	9.3	-1.6	.0
Local government, except education	6.6	6.5	6.4	.2	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$568.86	$582.08	$541.80	42.2	42.8	42.0	$13.48	$13.60	$12.90
Durable Goods[e]	582.58	594.59	556.20	42.4	42.9	42.2	13.74	13.86	13.18
Primary metal industries	627.42	655.77	608.52	41.8	43.4	42.2	15.01	15.11	14.42
Blast furnace and basic steel products	627.00	627.91	607.47	45.6	45.6	44.7	13.75	13.77	13.59
Fabricated metal products	541.99	590.92	523.16	41.5	44.0	41.0	13.06	13.43	12.76
Machinery, except electrical	479.39	464.84	480.28	42.2	41.1	41.8	11.36	11.31	11.49
Electric and electronic equipment	454.90	453.61	434.32	40.4	41.2	39.7	11.26	11.01	10.94
Transportation equipment	653.30	620.00	631.58	44.9	42.7	45.8	14.55	14.52	13.79
Nondurable Goods[f]	431.33	441.74	419.52	40.5	41.4	40.3	10.65	10.67	10.41
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	563.70	540.54	558.55	40.7	39.6	40.8	13.85	13.65	13.69
WHOLESALE TRADE	360.30	355.89	341.00	38.7	38.6	38.1	9.31	9.22	8.95
RETAIL TRADE[h]	180.90	178.48	175.23	29.9	29.5	29.5	6.05	6.05	5.94

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	2,495	2,114	2,746
Active File of Job Seekers	16,283	16,441	19,026
Referrals to Jobs	1,580	1,432	1,805
Placements	340	468	372
Job Openings Received	930	809	636
Job Openings Unfilled	1,477	1,031	664
Unemployment Insurance Program			
Initial Claims	4,231	2,639	12,542
Continued Claims	15,941	15,220	37,826
First Payments	1,669	826	1,969
Last Payments	244	316	441
Weeks Compensated	13,218	13,241	29,945
Benefits Paid	$1,846,011	$1,821,379	$4,667,565
Average Weekly Payment	$142.74	$140.54	$159.97

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	July 1988	June 1988	July 1987
New Applicants	38,482	40,409	44,514
Active File of Job Seekers	263,530	270,609	292,626
Counseling Interviews	1,173	1,410	1,218
Tests Administered	1,163	3,678	3,080
General Aptitude Tests	70	168	429
Proficiency Tests	241	460	518
Specific Aptitude Tests	650	1,202	532
Referrals to Job	31,082	32,914	32,426
Placements	9,816	7,524	12,915
Job Openings Received	16,228	15,074	20,364
Job Openings Unfilled	22,122	24,256	23,787

Selected Unemployment Insurance Activities

	July 1988	June 1988	July 1987
Initial Claims	51,019	40,272	79,012
Weeks Claimed	316,853	337,024	435,982
[illegible]	19,490	16,903	24,011
[illegible]	6,352	6,670	8,333
[illegible]	74,662	75,512	93,084
[illegible]	57,831	61,190	74,480
Weeks Compensated (UI)	246,644	287,269	357,502
Benefits Paid	$36,051,763	$42,729,975	$51,775,703
Average Weekly Payment	$149.40	$152.24	$148.36
Insured Unemployment: Average Week	77,174	73,566	99,137
Insured Unemployment Rate	1.7	1.7	2.2
Employer Contributions	$51,966,913	$3,436,258	$71,318,012
[illegible] Employer Accounts	200,528	200,060	196,496

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